Dear oCOSMO Customer,

Congratulations on your new **oCOSMO CE3200V HDTV** purchase. Thank you for your support. To ensure safety and many years of trouble free operation of your TV, please read the manual carefully before making any adjustments, and keep them in a safe place for future references. We hope you enjoy your new oCOSMO HDTV.

For technical assistance, please call 1855-662-6766 and select option 3 or email our tech support group at ocosmoTS@oCOSMO.com.

For all other inquiries, please call 1855-662-6766 and select option 4 or email our customer service group at ocosmoCS@oCOSMO.com.

We recommend you register your oCOSMO HDTV at our online website http://www.oCOSMO.com.

oCOSMO wants to help you save energy! This HDTV meets the ENERGY STAR® guidelines.

IMPORTANT INFORMATION

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrow-head symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

CAUTION:
DO NOT PLACE THIS PRODUCT ON AN UNSTABLE CART, STAND, TRIPOD, BRACKET, OR TABLE. THE PRODUCT MAY FALL CAUSING SERIOUS PERSONAL INJURY AND SERIOUS DAMAGE TO THE PRODUCT. USE ONLY WITH A CART, STAND, TRIPOD, BRACKET, OR TABLE RECOMMENDED BY THE MANUFACTURER OR SOLD WITH THE PRODUCT. FOLLOW THE MANUFACTURER'S INSTRUCTIONS WHEN INSTALLING THE PRODUCT AND USE MOUNTING ACCESSORIES RECOMMENDED BY THE MANUFACTURER. A PRODUCT AND CART COMBINATION SHOULD BE MOVED WITH CARE. QUICK STOPS, EXCESSIVE FORCE, AND UNEVEN SURFACES MAY CAUSE THE PRODUCT AND CART COMBINATION TO OVERTURN.

WARNING: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

CAUTION:
This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

"Note to CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electrical Code that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical."

This product utilizes tin-lead solder, and fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eia.org

SAFETY INSTRUCTIONS

Electricity is used to perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. However, improper use can result in electric shock and / or fire. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your Liquid Crystal Television, please read the following precautions carefully before using the product.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightening storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

SAFETY INSTRUCTIONS

This product is designed and manufactured to operate within defined design limits, and misuse may result in electric shock or fire. To prevent the product from being damaged, the following rules should be observed for the installation, use and maintenance of the product. Read the following safety instructions before operating the display. Keep these instructions in a safe place for future reference.

- To avoid the risk of electric shock or component damage, switch off the power before connecting other components to the TV.
- Unplug the power cord before cleaning the TV. Please use the included custom bezel cleaning cloth for cleaning the bezel of the TV only. Do not use a liquid or a spray cleaner for cleaning the product. Do not use abrasive cleaners.
- Always use the accessories recommended by the manufacturer to insure compatibility.
- When moving the TV from an area of low temperature to an area of high temperature, condensation may form on the housing. Do not turn on the TV immediately after this to avoid causing fire, electric shock or component damage.
- Do not place the TV on an unstable cart, stand, or table. If the TV falls, it can injure a person and cause serious damage to the appliance. Use only a cart or stand recommended by the manufacturer or sold with the TV.
- Any heat source should maintain a distance of at least 5 feet away from the TV, i.e. radiator, heater, oven, amplifier etc. Do not install the product too close to anything that produces smoke or moisture. Operating the product close to smoke or moisture may cause fire or electric shock.
- Slots and openings in the back and bottom of the cabinet are provided for ventilation. To ensure reliable operation of the TV and to protect it from overheating, be sure these openings are not blocked or covered. Do not place the TV in a bookcase or cabinet unless proper ventilation is provided.
- Never push any object into the ventilation slots of the TV. Do not place any objects on the top of the Product. It could short circuit parts causing a fire or electric shock. Never spill liquids on the TV.
- Do not use the TV in a portrait format (by rotating 90 degrees) under high temperature environment (25°C or higher), since this would retard heat dissipation and would eventually damage the TV.
- The TV should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
- The power cable must be replaced when using different voltage from that specified in the User Manual. For more information, contact your dealer.
- The TV is equipped with a three-pronged grounded plug, a plug with a third (grounding) pin. This plug will fit only into a grounded power outlet as a safety feature. If your outlet does not accommodate the three-wire plug, have an electrician install the correct outlet, or use an adapter to ground the appliance safely. Do not defeat the safety purpose of the grounded plug.
- Do not overload power strips and extension cords. Overloading can result in fire or electric shock.
- The wall socket should be installed near the equipment and should be easily accessible.

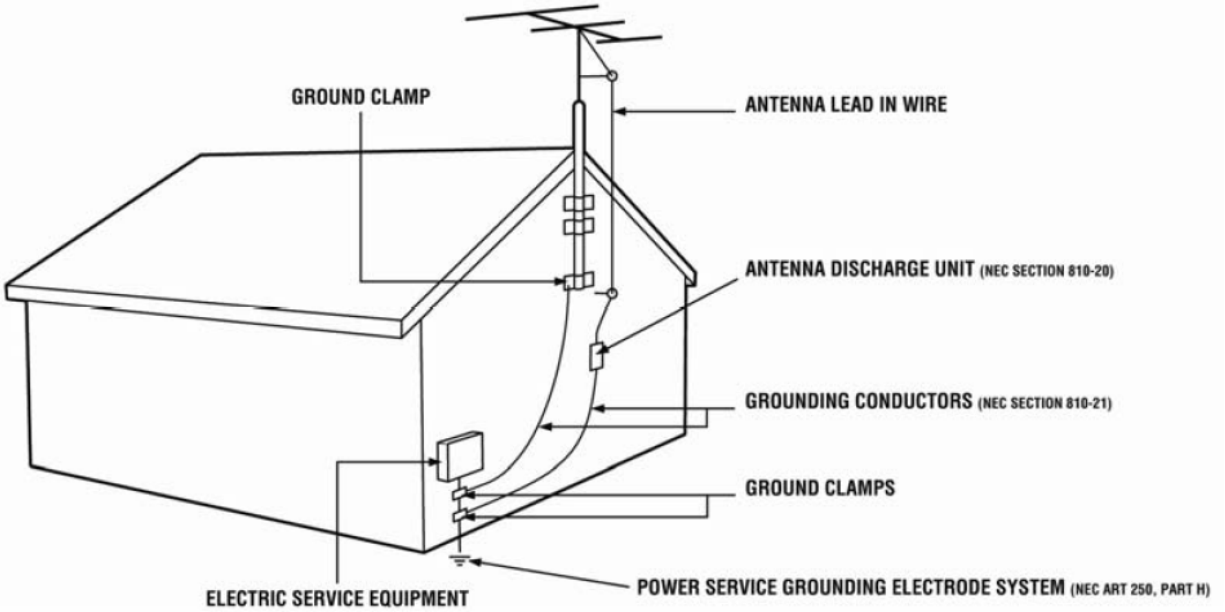
- Only the marked power source can be used for the product. Any power source other than the specified one may cause fire or electric shock.
- Do not touch the power cord during thunderstorms. To avoid electric shock, avoid handling the power cord during electrical storms.
- Unplug the unit during a lightning storm or when it will not be used for a long period of time. This will protect the TV from damage due to power surges.
- Do not attempt to repair or service the product yourself. Opening or removing the back cover may expose you to high voltages, the risk of electric shock, and other hazards. If repair is required, please contact your dealer and refer all servicing to qualified service personnel.
- Keep the product away from moisture. Do not expose this appliance to rain or moisture. If water penetrates into the product, unplug the power cord and contact your dealer. Continuous use in this case may result in fire or electric shock.
- Do not use the product if any abnormality occurs. If any smoke or odor becomes apparent, unplug the power cord and contact your dealer immediately. Do not try to repair the product yourself.
- Avoid using dropped or damaged appliances. If the product is dropped and the housing is damaged, the internal components may function abnormally. Unplug the power cord immediately and contact your dealer for repair. Continued use of the product may cause fire or electric shock.
- Do not install the product in an area with heavy dust or high humidity. Operating the product in environments with heavy dust or high humidity may cause fire or electric shock.
- Hold the power connector when removing the power cable. Pulling the power cable itself may damage the wires inside the cable and cause fire or electric shocks. When the product will not be used for an extended period of time, unplug the power connector.
- To avoid risk of electric shock, do not touch the connector with wet hands.
- Insert batteries in accordance with instructions while using the remote control. Incorrect polarities may cause damage and leakage of the batteries, operator injury and contamination the remote control.
- If any of the following occurs please contact the dealer:
    - The power connector fails or frays.
    - Liquid sprays or any object drops into the TV.
    - The Display is exposed to rain or other moisture.
    - The Display is dropped or damaged in any way.
    - The performance of the Display changes substantially.
- Operating environment: Temperature: 5°C ~ 35°C, Humidity: 10% to 90% non-condensing, Altitude: 0~10,000 ft.

IMPORTANT INFORMATION

Television Antenna Connection Protection

External Television Antenna Grounding

If an outside antenna or cable system is to be connected to the TV, make sure that the antenna or cable system is electrically grounded to provide some protection against voltage surges and static charges. Article 810 of the National Electrical Code, ANSI/NFPSA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of the grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements of the grounding electrode.


GROUND CLAMP
ANTENNA LEAD IN WIRE
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
ELECTRIC SERVICE EQUIPMENT
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

Lightning Protection

For added protection of the TV during a lightning storm or when it is left unattended or unused for long periods of time, unplug the TV from the wall outlet and disconnect the antenna or cable system.

Power Lines

Do not locate the antenna near overhead light or power circuits, or where it could fall into such power lines or circuits.

Opening the Package

The oCOSMO TV is packaged in a carton. Any standard accessories are packed separately in another carton. The weight of the TV is approximately 14.66 lbs. Due to the size and weight of the product, it is suggested that it must be handled by a minimum of 2 or more persons. Since the glass can be easily scratched or broken, please handle the product gently. Never place the unit on a surface with the glass facing downwards unless it is on protective padding. When opening the carton, check that the product is in good condition and that all standard accessories and items are included. Save the original box and all packing materials for future shipping needs.

Package Contents

oCOSMO TV Display x 1
TV Stand x 1
Neck x 1
User Manual x 1
Quick Start Guide x 1
Torque Screws x 7 (thick threaded) TYPE1 SCREW
Machined Screws x 2 (fine threaded) TYPE2 SCREW
Screw Driver x 1
Power Cord x 1
Warranty / Registration Card x 1
TV Remote Control (AAA Battery included) x 1

Thick Thread Screw

TYPE1 SCREW

Fine Thread Screw

TYPE2 SCREW

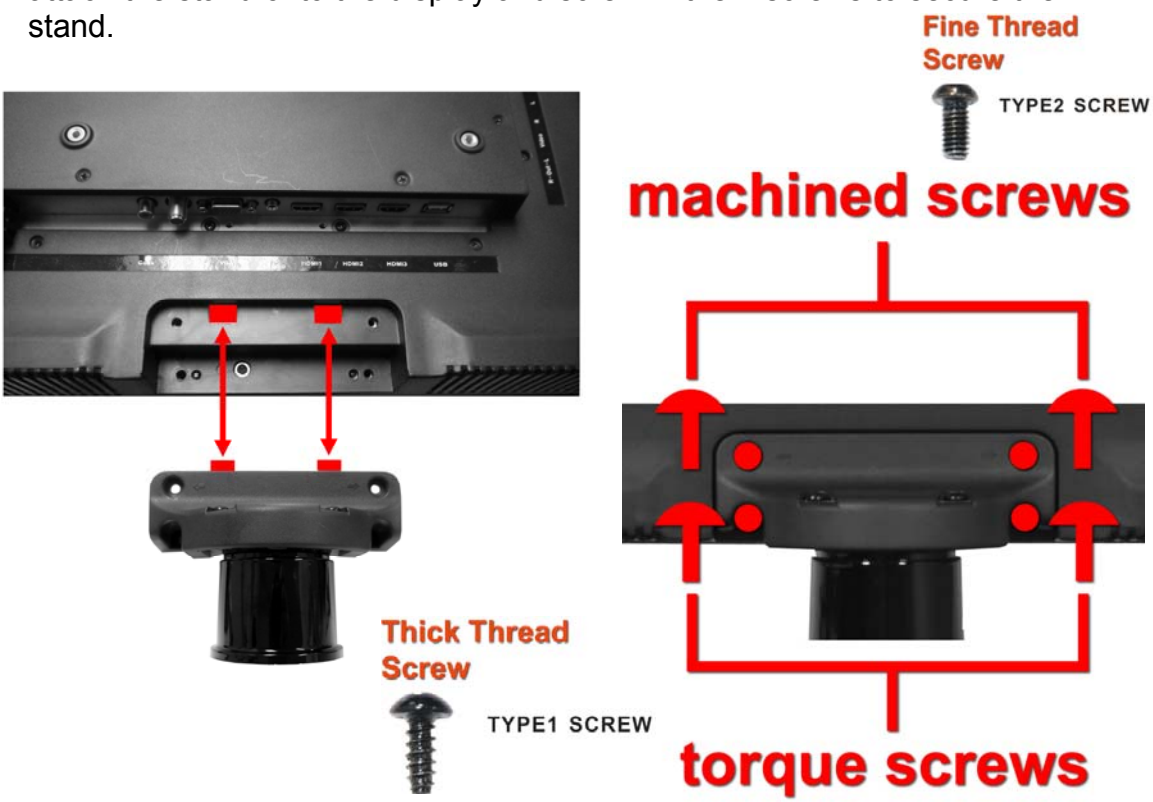
Installation

Please read the user manual carefully before performing the installation. The power consumption of the display is approximately 53 watts. Please use the power cord designated for the product. When an extension cord is required, use one with the correct power rating. The cord must be grounded and the grounding feature must not be defeated. The product should be installed on a flat surface to avoid tipping. Space should be maintained between the back of the product and the wall for proper ventilation. If you would like to mount the TV onto the wall, please see page 8, and 10 for additional information. Avoid installing the product in the kitchen, bathroom or other places with high humidity dust or smoke, so as not to shorten the service life of the electronic components. Please ensure the product is installed with the screen in landscape orientation. Any 90° clockwise or counterclockwise installation may induce poor ventilation and successive component damage.

Attaching or Removing the Stand

1. Obtain 5 torque screws from the package and attach the 5 screws to the bottom of the base against the neck.

2. To attach the stand place the display unit flat on a table. Afterwards attach the stand onto the display and screw in the 4 screws to secure the stand.



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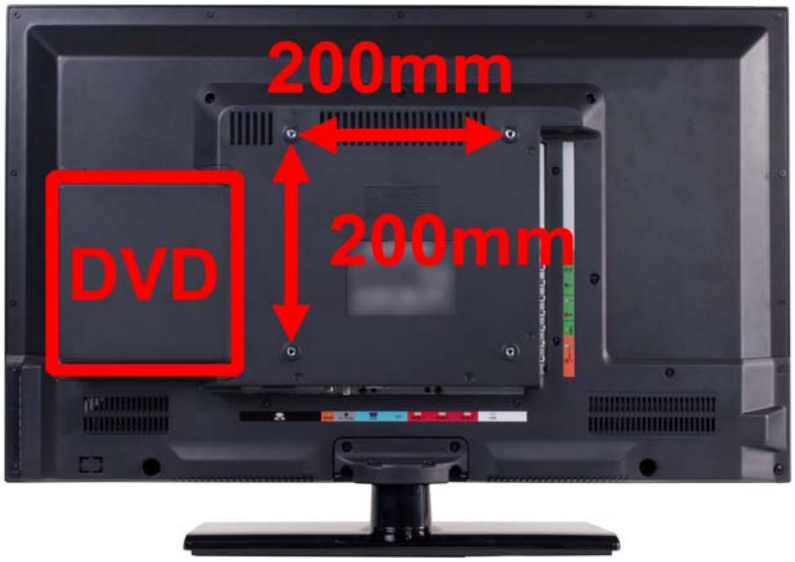
Identifying Front and Rear Panel

Front View

INDICATOR LIGHT – The light is red when power is plugged in but the TV is not turned on. The light turns blue when the TV is turned on. **The TV might take 10 – 12 seconds to power on. This is considered to be normal.**
REMOTE SENSOR – The remote sensor receives all the commands from the remote control.

Rear View Mounting Pattern

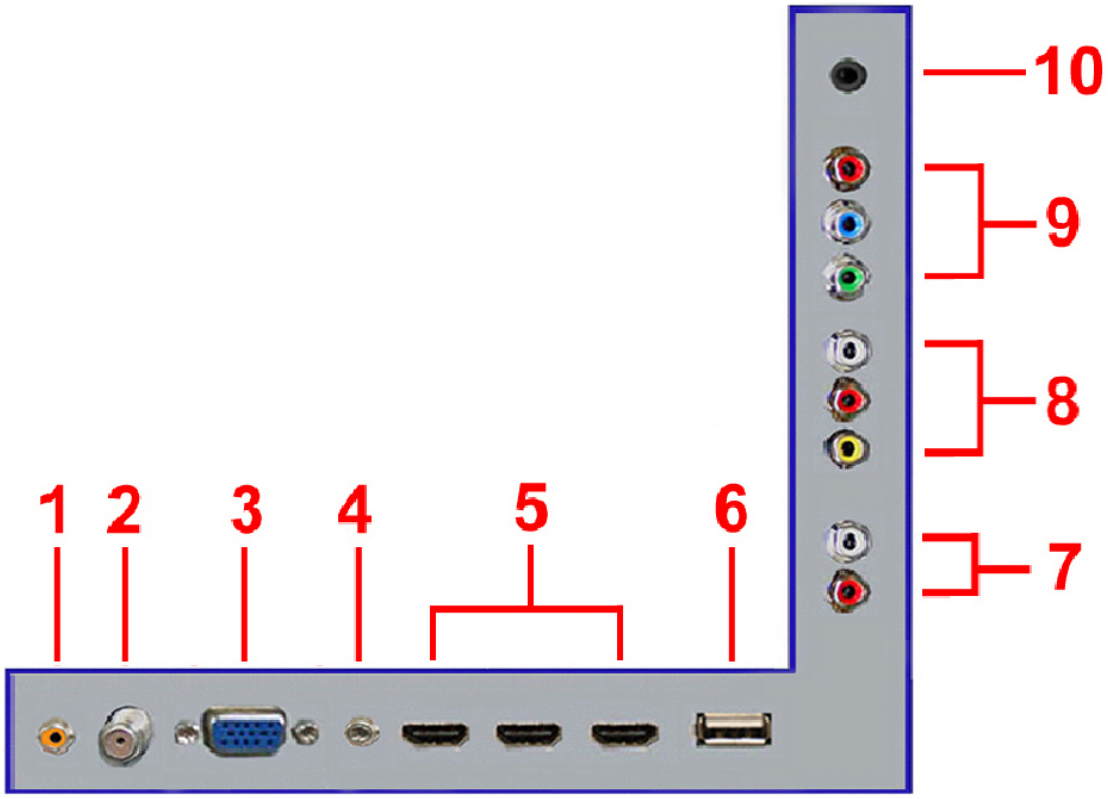


Mounting Specification : **200mm x 200mm** using screw size **M5**. Length of screw should not exceed **9mm**. Please Note : The **9mm** length of screw refers to how deep the screw can go inside the mounting holes. When you're buying screws, you should add the original 8mm to the thickness of your mounting plate in order to get the total screw length.

Side Control Buttons

1. **EJECT** – This button ejects the DVD disc.
2. **PLAY / PAUSE** – This button plays or pauses the DVD player.
3. **VOL(+)** – This button increases the TV's volume. If a sub-menu is active, pressing this button will move the select right.
4. **VOL(-)** – This button decreases the TV's volume. If a sub-menu is active, pressing this button will move the selection left.
5. **CH(▲)** – This button changes the TV channel up. If the OSD is active, this button functions as up for the menu.
6. **CH(▼)** – This button changes the TV channel down. If the OSD is active, this button functions as down for the menu.
7. **MENU** – This button activates the On Screen Display (OSD). If a sub-menu is active, pressing this button will exit the OSD.
8. **SOURCE** – This button switches between all the different sources of the TV. When the OSD is active, this button acts as the enter button and confirms the menu selection.
9. **POWER** – Turn on the TV by pressing the button once. Press the button again to turn off the TV.

Rear View Connections



1. **SPDIF** - This connection port is used for sending out digital audio signals to digital surround sound receivers. The orange (COAX SPDIF OUT) connector sends out either bit-stream or PCM digital sound signal to a home theater receiver with digital coax input.
2. **TV** – This connection is for digital or analog cable without the cable box or over-the-airwave antennas. The tuner is a hybrid tuner that tunes to both analog and digital channels. This connection uses coaxial RF cable. For over-the airwave digital stations please check http://www.antennaweb.org.
3. **VGA** - This connection port connects to a PC for video using VGA cable. Be sure to connect your audio cable to the VGA Stereo input if you want sound out of VGA video source.
4. **Audio In** - This connection port is for people who want to provide audio to the TV when using a PC or a DVI video device. The sources use 3.5mm mini-jack audio cable.
5. **HDMI1-3** – HDMI connects to devices that use HDMI cable, such as Blu-ray or HD DVD player, or HD cable / satellite set-top box. This connection port receives pure digital audio and high definition signal through one single cable. This port also can accept a HDCP video device for video**.**
6. **USB –** USB connects to USB flash drives for playing music and picture. The USB port is also used for updating the TV's firmware.

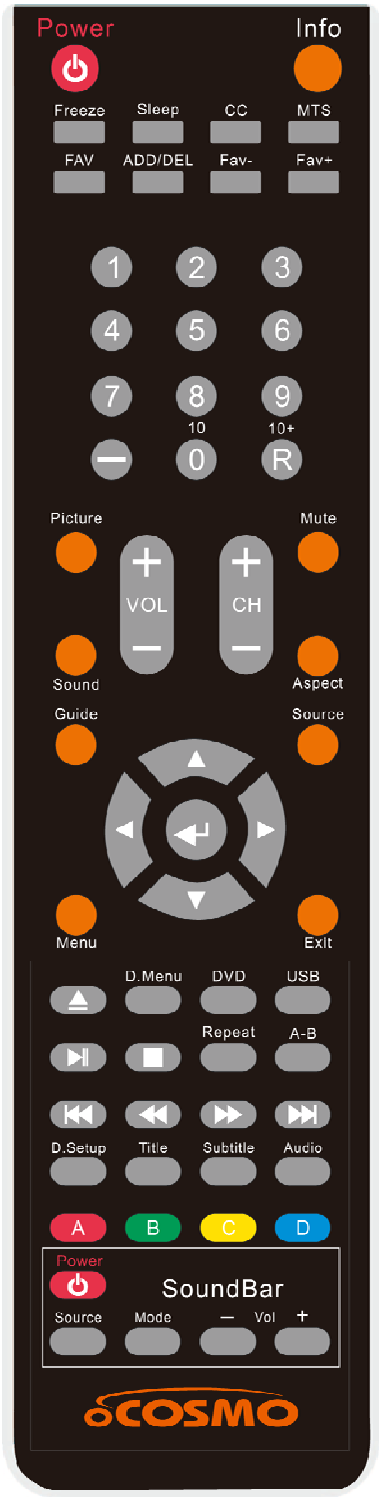
7. **Analog Audio Out –** This connection is for connecting to analog audio receivers.
8. **Video** – Video connects to devices that use composite video cables such as VCR or DVD player or Wii™. Connect the yellow for video and the red / white for audio. **This port shares the audio jacks with YPbPr.**
9. **YPbPr** – This connection port is for DVD players or satellite / cable set-top boxes that use component cables. From left to right, connect green, blue, and red for video, and then connect white for left channel audio, and red for right channel audio. **This port shares the audio jacks with Video.**
10. **HEADPHONE** – This connection is for headphones to be attached to the TV.

Please Note:

- This TV features a power saving function which will turn off the TV automatically after 10 minutes of idling on a connection with no signal. This feature is present on all connection.

oCOSMO CE3200V Remote Control

This remote control follows SONY's universal remote code. To find the actual code you need to consult your cable or satellite tech support.



For universal remotes, this TV follows SONY's universal remote code. You need to find the actual code from your cable or satellite or universal remote provider.

1. POWER – Turns the TV on or off.
2. INFO – Shows the display info.
3. FREEZE – Press this button to freeze current picture.
4. SLEEP – Turns the TV off in a specific set of time dependent on your selection.
5. CC – Cycles between different closed captioning modes.
6. MTS – Selects stereo, mono, or second audio programming.
7. FAVORITE – Gives you your list of favorite channels.
8. ADD/DEL – Adds or Deletes current channel from the favorite list.
9. FAV(-) – Press this button to change to the previous favorite channel.
10. FAV(+) – Press this button to change to the next favorite channel.
11. NUMBER BUTTONS (0-9) – Press 0-9 to select a TV channel directly when you are watching TV. The channel will change after 2 seconds.
12. (-) – Inserts the dash for selecting digital channels directly.
13. R – Returns to the previous channel.
14. PICTURE – Selects various preset picture settings.
15. MUTE – Turns the sound off from the TV. To un-mute either press VOL(+) or press the MUTE button again.
16. VOL(+)/VOL(-) – Press the VOL buttons to increase or decrease the sound level.
17. CH(+)/CH(-) – Press the CH buttons to switch to the next or switch to the previous channel.
18. SOUND - Selects various preset sound settings.
19. ASPECT – Press this button to change the picture's cropping method.
20. GUIDE – Opens the current digital channel information guide **(antenna only**).
21. SOURCE – Press this button to cycle through the INPUT source.
22. ▲/▼/◄/►/ENTER – These directional buttons allow you to move around in the TV's menu. Press the ENTER button when you want to select a particular option.
23. MENU – Brings up the main TV menu on the screen.
24. EXIT – Exit the main TV menu on the screen.

DVD FUNCTION BUTTONS

25. AUTO EJECT – Press this button to open or close the DVD player.
26. D.MENU – Shows the menu of the DVD disc.
27. DVD – Press this button to go to the DVD source.
28. USB – Launches the USB reader function for the pictures and music.
29. ►/‖ – Play/pause button in DVD mode.
30. ■ – Stop button in DVD mode.
31. REPEAT – Press this button for repeat the program.
32. AB – Press this button for repeat play point A and B
33. PREVIOUS CHAPTER – Press this button to select the DVD's previous chapter.
34. REWIND – Press this button to reverse the DVD movie to a previous scene.
35. FAST FOWARD – Press this button to fast forward the DVD to the next scene.
36. NEXT CHAPTER – Press this button to select the DVD movie's next chapter.
37. D.SETUP – Press this button to setup the disc in DVD mode.
38. TITLE – Press this button to go to the title menu if the DVD you're watching has a title page.
39. SUBTITLE – Displays the subtitle.
40. AUDIO – Press to select TV sound option.

41. A – Not used.
42. B – Not used.
43. C – Not used.
44. D – Not used.

The following buttons are functions designed to work with the optional accessory, oCOSMO Sound Bar.

45. POWER – This button turns on the sound bar.
46. S.SOURCE – This button selects the sound bar's sound connection.
47. S.MODE – This button selects the sound bar's sound modes.
48. S.VOL(-) – This button decreases the volume of the sound bar.
49. S.VOL(+) – This button increases the volume of the sound bar.

Please Note:

- **To insert, eject a disc from the DVD player, to use any functions on the DVD you must press the DVD button first.**

Installing Batteries to the Remote Control

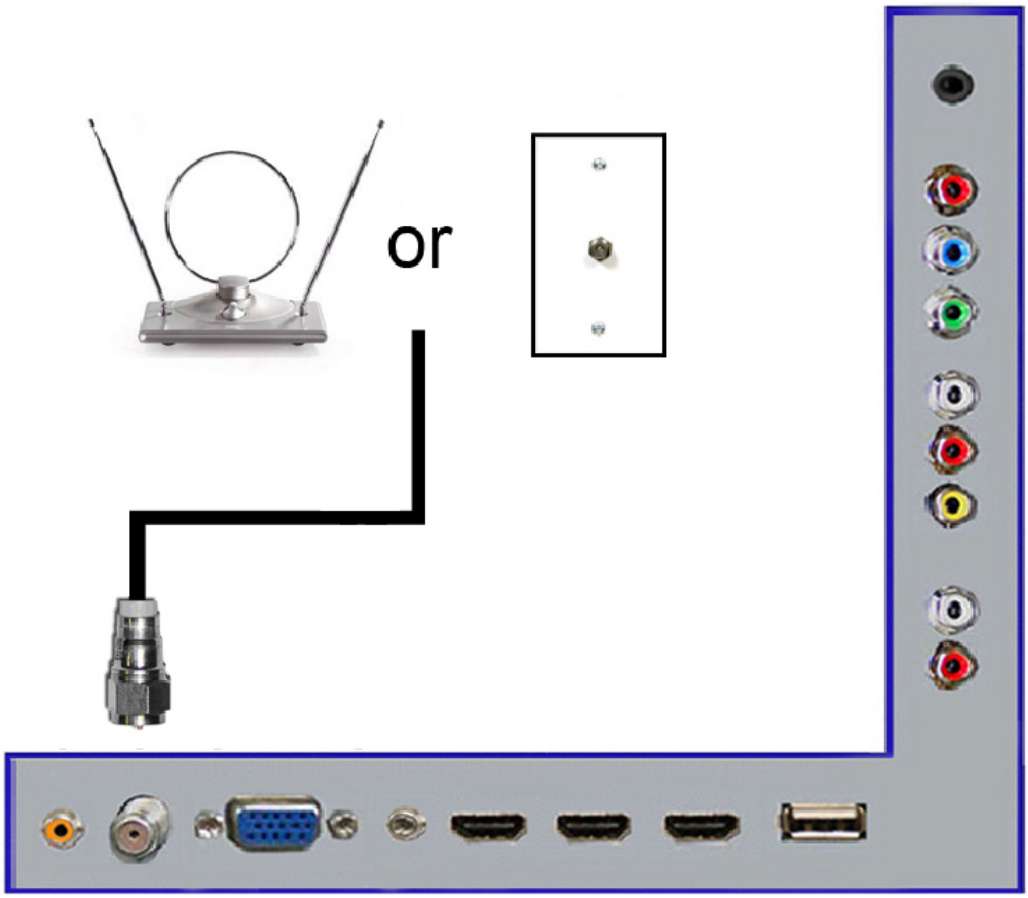
Please insert two AAA batteries into the remote control. Make sure that you match the (+) and (-) symbols on the batteries with the (+) and (-) symbols inside the battery compartment. Afterwards, re-attach the battery cover.

Please note:

- Only use AAA batteries.
- Do not mix new and old batteries. This may result in cracking or leakage that may pose a fire risk or lead to personal injury.
- Inserting the batteries incorrectly may also result in cracking or leakage that may pose a fire risk or lead to personal injury.
- Dispose the batteries in accordance with local laws and regulations.
- Keep the batteries away from children and pets.
- If the remote control is not used for a long time, remove the batteries.
- Keep the remote control away from moisture, sunlight, and high temperatures.

Connection Suggestions

If You Have Digital Cable without Cable Box or Antenna…

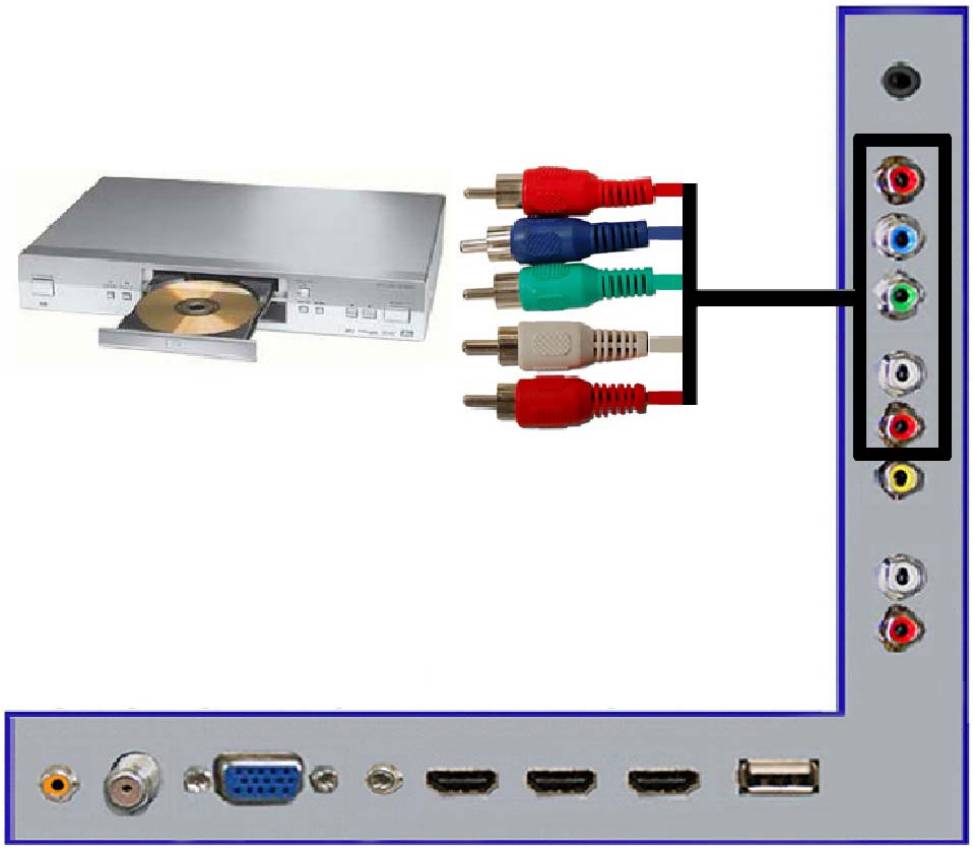


1. Make sure the power of HDTV is turned off.
2. Connect the Coaxial RF cable from your antenna or digital cable to the TV port on the back of your HDTV.
3. Turn on the HDTV.
4. Follow the first time on screen instructions.

Please Note :

- Not all broadcasts are in High Definition (HD). Please refer to your local broadcasting stations for more information.
- The HDTV's tuner is designed for HDTV therefore requires a stronger signal than normal TVs. If you cannot achieve that signal level with your antenna or cable, your HDTV might lose picture or sound.

Connecting DVD Player with Component YPbPr…

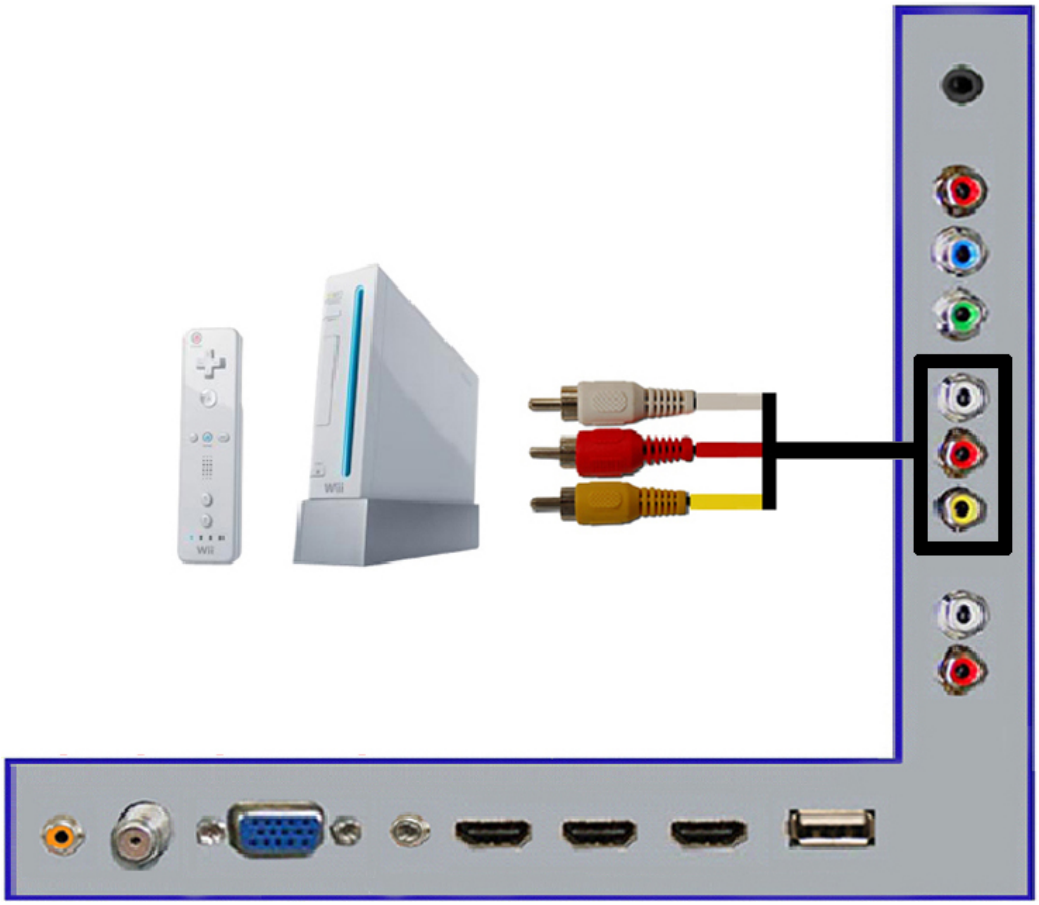


1. Make sure the power of HDTV and your DVD player is turned off.
2. Obtain a Component Cable. Connect the green color connector to both your DVD player and YPbPr's green connector port on the back of your HDTV.
3. Connect the blue color connector to both your DVD player and YPbPr's blue connector port on the back of your HDTV.
4. Connect the red color connector to both your DVD player and YPbPr's red connector port on the back of your HDTV.
5. Obtain a RCA Audio Cable. Connect the white color connector to both your DVD player and YPbPr's white connector port on the back of your HDTV.
6. Connect the red color connector to both your DVD player and YPbPr's red connector port on the back of your HDTV.
7. Turn on the HDTV and your DVD player.
8. Use the remote control's source button or the source button on the TV to switch to YPbPr.

Please Note :

- Sometimes DVD players will not automatically output to YPbPr. You will need to configure your DVD player with AV connection first then switch to YPbPr. Please reference the DVD player's manual, to make sure the DVD player is configured to output correctly to the TV.
- **This source shares audio jacks with composite video.**

Connecting Wii™ with Composite…

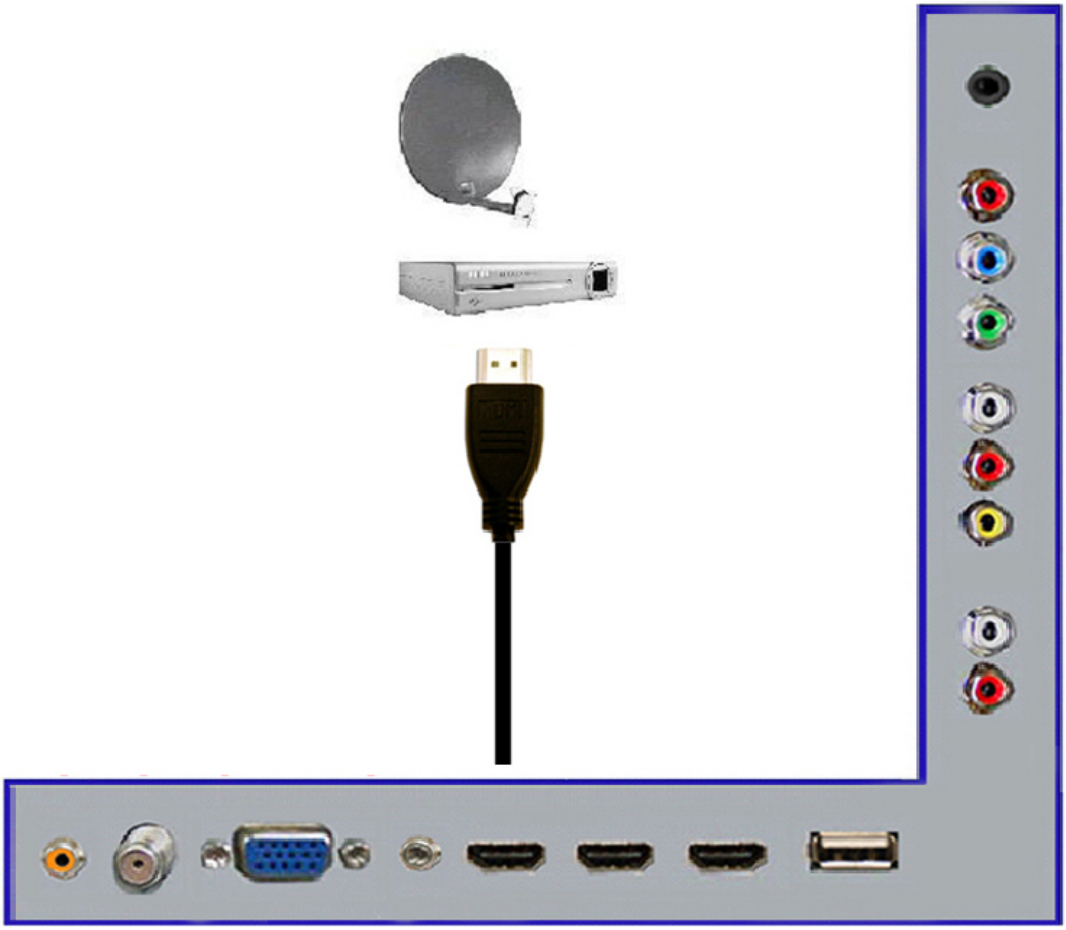


1. Make sure the power of HDTV and your Wii™ is turned off.
2. Obtain a Yellow Video Cable. Connect the Yellow Video connector to both your Wii™ and AV's Yellow Video connector port on the back side of your HDTV.
3. Obtain a RCA Audio Cable. Connect the white color connector to both your Wii™ and AV's white connector port on the back side of your HDTV.
4. Connect the red color connector to both your Wii™ and AV's red connector port on the back side of your HDTV.
5. Turn on the HDTV and your Wii™.
6. Use the remote control's source button or the source button on the TV to switch to AV.

Please Note :

- Make sure to read your Wii™ installation guide for further information.
- **This source shares audio jacks with YPbPr.**

Connecting Cable or Satellite boxes with HDMI…

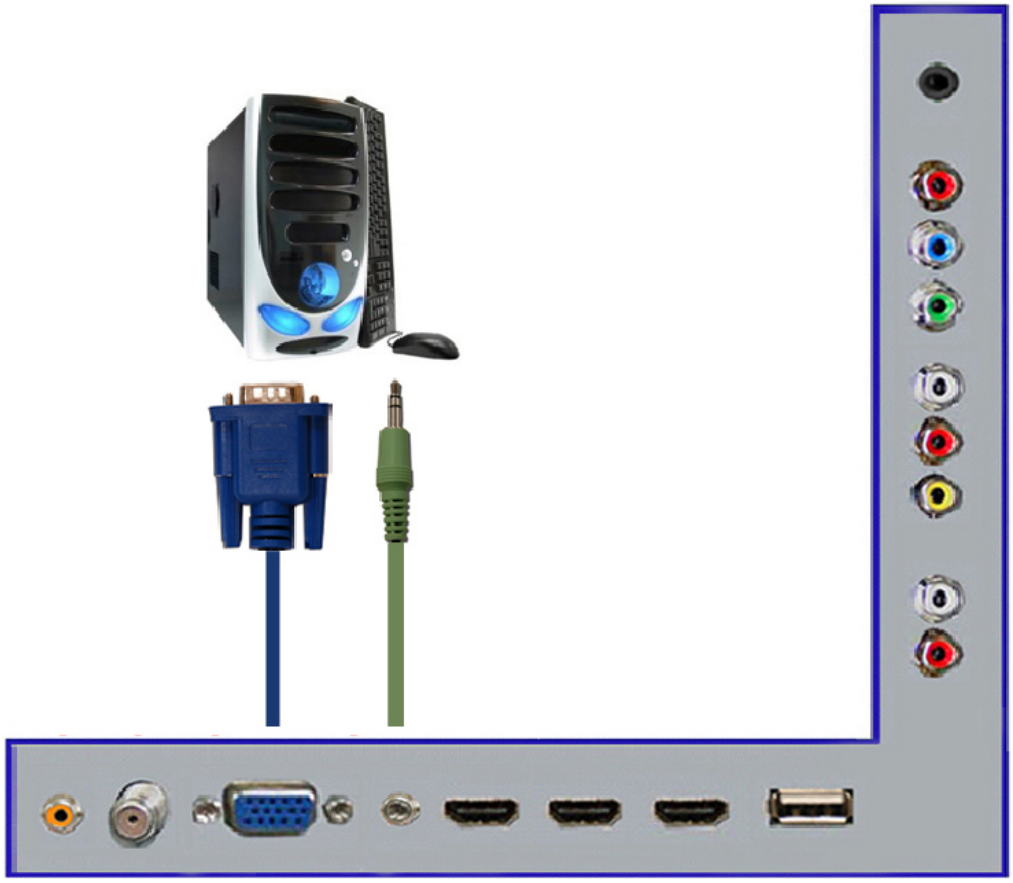


1. Make sure the power of HDTV and your set-top box is turned off.
2. Connect a HDMI cable to the HDMI output of your set-top box and the other end to the HDMI port on the back of your HDTV.
3. Turn on the HDTV and your set-top box.
4. Use the remote control's source button or the source button on the TV to switch to HDMI.

Please Note :

- Please reference the set-top box's manual, to make sure the set-top box is configured to output correctly to the TV.
- **oCOSMO's HDTV supports SONY's universal remote code. Please look up SONY's codes in your universal remote's hand book.**

Connecting to a PC with VGA and 3.5 mm minijack …



1. Make sure the power of HDTV and your PC is turned off.
2. Obtain a 15-pin D-Sub VGA cable; connect to the VGA output of your PC and the other end to the VGA port on the back of your HDTV.
3. Obtain a 3.5 mm Mini-jack, connect to the audio out of your PC and the other end to the VGA Stereo Input port.
4. Turn on the power of the HDTV and your PC.
5. Use the remote control's source button or the source button on the TV to switch to PC.
6. Change your PC resolution to 1360x768 at 60 Hz refresh rate.
7. Press MENU to use the OSD's PICTURE option.
8. Under the PICTURE option select PC Settings.
9. Under PC Settings use AUTO ADJUST to adjust the screen.

Please Note :

- For the best results, please set your PC resolution to 1360x768 at 60 Hz. Please refer to the PC or graphic card's manual for further instructions on how to set your resolution and refresh rate.
- Please refer to your PC manual for video output requirements of the video card.
- The VGA port of the TV features a power saving function which will automatically turn off the TV, if there's no signal provided for more than 10 minutes.

Connecting a Digital Audio Receiver with Coax SPDIF…

1. Make sure the power of HDTV and your receiver is turned off.
2. Obtain a coax SPDIF cable, connect it to your receiver's coax SPDIF digital input and the coax SPDIF connection on the LINE OUT port on the back of the HDTV.
3. Turn on the HDTV and your receiver.

Please Note :

- If you want pure digital stream for your receiver to decode, you must also configure the TV's OSD Sound->Digital Audio Out function. Make sure the option is on 5.1CH.
- If your receiver is making static noises when receiving 5.1CH, you must use the PCM option instead.
- Please reference the receiver's manual as well, to make sure the receiver is configured to receive signals correctly from the TV.
- **The TV's SPDIF out for 5.1CH is ONLY used for antenna/cable connection. Any other incoming audio signal will be passed out of SPDIF in PCM format.**

Switching Sources

1. Press the SOURCE button on the right of the TV to switch sources.

Ready to Watch Some TV?

Starting up the HDTV

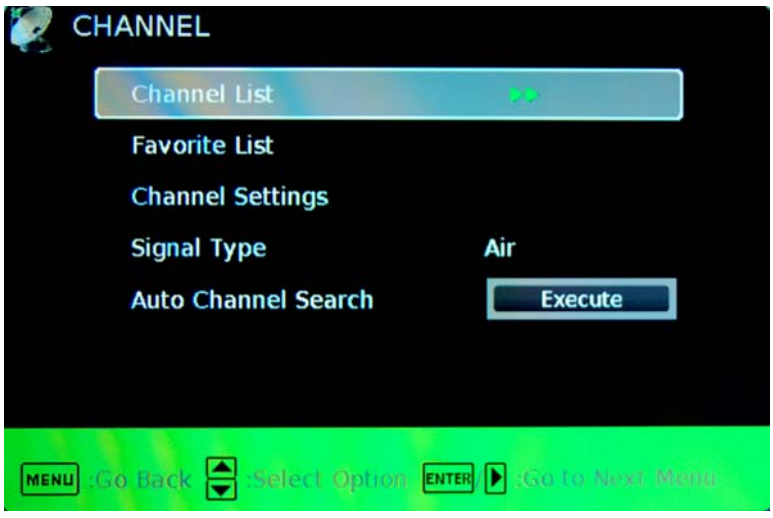
1. Make sure your power cable is connected and the standby red light in the front of the TV is lit up.
2. Check all your connection cables off the side or the back of your TV and also your AV devices. Make sure they are all connected securely.
3. Turn on your TV and other AV devices if necessary.
4. Select the correct source according to the Connecting pages.

Connecting Antenna or Cable to the TV…

If an antenna or cable (**without a cable box**) is connected to your TV's tuner, you will need to go through an INITIAL SETUP process in order to watch the TV.

1. Press MENU to open the menu

2. Use the ◄ or ► button to select the CHANNEL icon and press **ENTER**.



3. Use the ▲ or ▼ buttons to highlight the signal type and press ◄ or ► to select your connection either AIR or CABLE.
4. Use the ▲ or ▼ buttons to select AUTO CHANNEL SEARCH and press **ENTER** to scan for channels.
5. Once the scanning finishes, you can begin to watch TV.

OSD (On Screen Display) Controls

Via Remote Control

In order to adjust most of the options inside the On Screen Display (OSD), the picture below shows all the buttons used on the remote control.

– This button opens the OSD and also exits the OSD by going to the previous level of the OSD.

– This button exits the OSD entirely.

▲ – This button changes the **channel to a higher number** and also functions as up direction in the OSD.
▼ – This button changes the **channel to a lower number** and also functions as down direction in the OSD.
◄ – This button **decreases the volume** and also functions as left direction in the OSD.
► – This button **increases the volume** and also functions as right direction in the OSD.
ENTER – This button changes the channel in conjunction with the number pad and also functions as **ENTER** for selecting options in the OSD.

Via TV Side Panel Buttons

In order to provide more than one type of OSD control buttons, the side panel's buttons have also been made functional for adjusting the OSD.

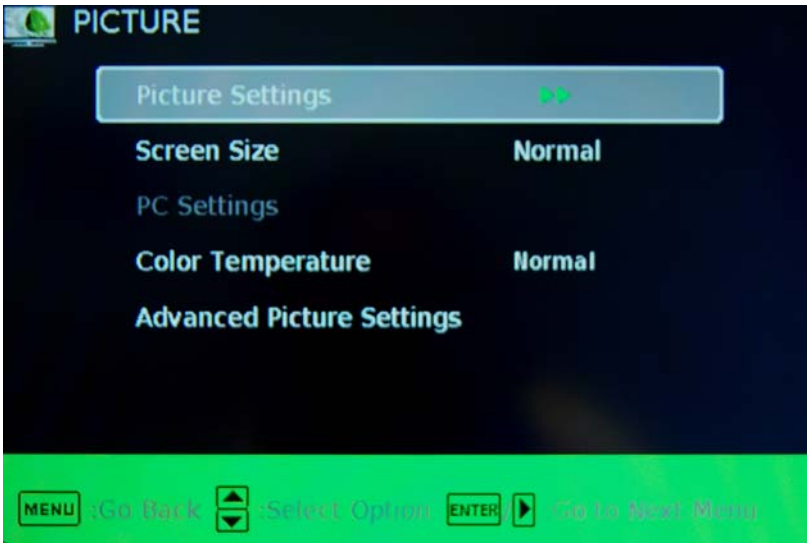
1. **SOURCE** – This button acts as the enter button to enter each function or option.
2. **MENU** – This button opens the OSD and also exits out of menus.
3. **CH(▲/▼)** – These buttons functions as up/down direction in the OSD.
4. **VOL(+/-)** – These buttons functions as left/right direction in the OSD or increases/decreases the value of an option.

OSD (On Screen Display) Options

PICTURE – This main option has functions for changing the picture settings for all ports, such as tint, contrast, sharpness.
SOUND – This main option has functions for changing sound settings for all ports, such as SPDIF Type, treble, bass, and acoustic cinema enhancement….etc.
CHANNEL – This main option has functions for the tuner port, such as scanning channels, editing channels, specific range scans, audio language, tuner mode….etc.
PARENTAL – This main option has functions for only composite and TV port. The purpose of this option is to block TV inappropriate for children.
SETUP – This main option has functions for all ports, OSD language, caption styles, time setup, automatic synchronization, sleep.
OTHERS – This main option has functions for resetting the TV.

PICTURE

This option allows users to adjust the TV's picture sharpness, color, tint, and other various functions.



1. Press MENU to open the OSD.
2. Press ◄ or ► to select PICTURE and press **ENTER**.
3. Use ▲ or ▼ to select the one you want to adjust and ◄ or ► or **ENTER** to adjust them.

I. PICTURE SETTINGS

i. PICTURE MODE – This feature changes various color for the TV.
ii. BRIGHTNESS – This feature changes the picture's detail in dark colors.
iii. CONTRAST – This feature changes the difference between dark and bright objects.
iv. COLOR – This feature changes the amount of color in the picture.
v. TINT – This feature changes the white balance of the color.
vi. SHARPNESS – This feature changes the picture quality.

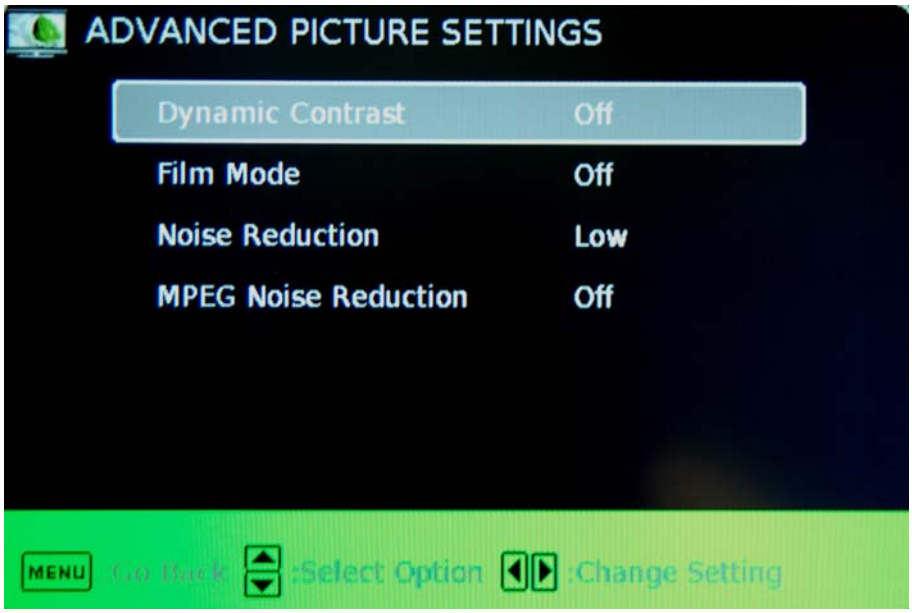
II. SCREEN SIZE – This feature changes the various aspects of the TV's video. (Normal, Wide, Cinema, Zoom, FULL 100%).

III. PC SETTINGS

i. AUTO ADJUST – This feature automatically adjusts the picture syncing in with the signal of the PC.
ii. HORIZONTAL POSITION – This feature adjusts the to the left or right position of the PC picture.
iii. VERTICAL POSITION – This feature adjusts the up or down position of the PC picture.
iv. CLOCK – This tunes in large increments the picture quality of the PC picture.
v. PHASE – This tunes in small increments the picture quality of the PC.
vi. RESET – This resets the settings of PC settings.

IV. COLOR TEMPERATURE – This feature adjusts the color temperature of the TV, giving warm, normal, cool, (warm being more red, cool being more blue and normal being neutral color).

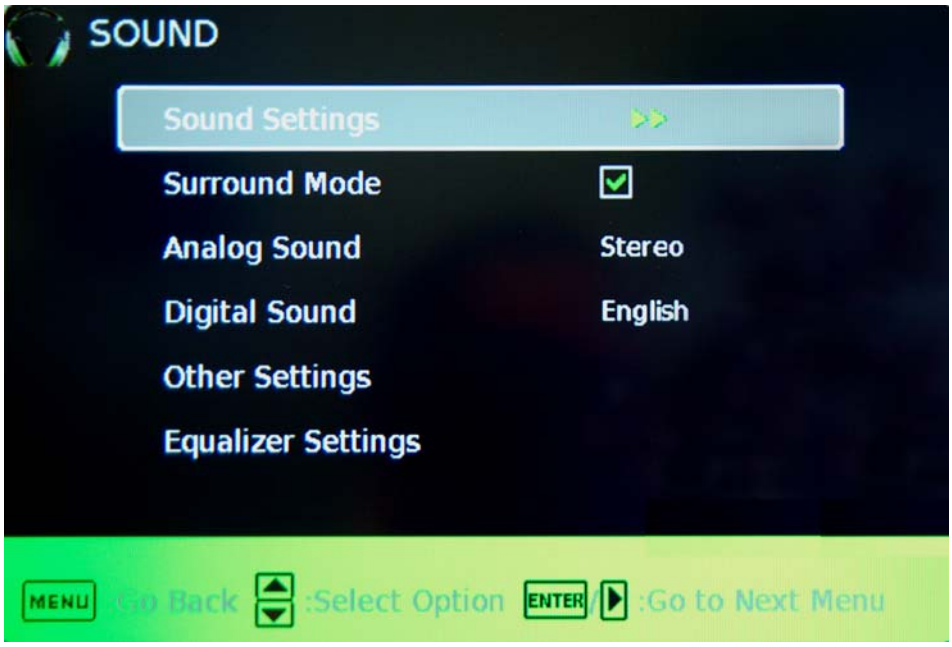
V. ADVANCE PICTURE SETTINGS



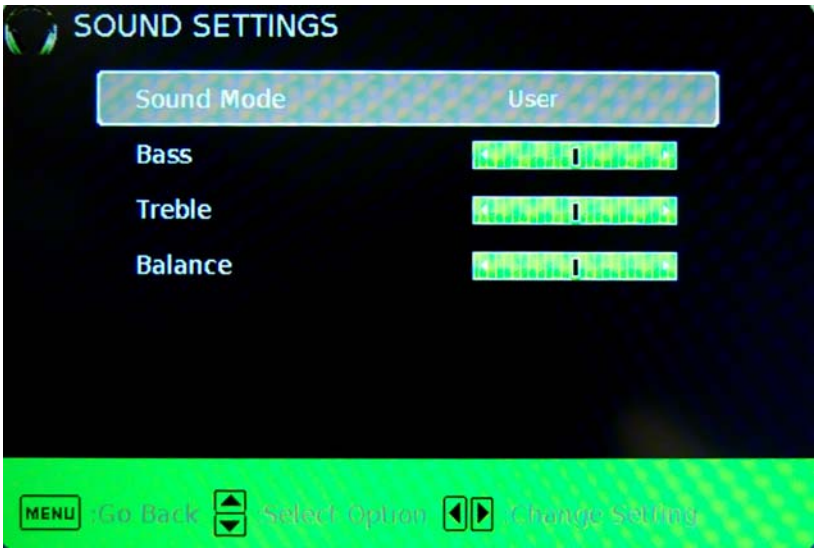
i. DYNAMIC CONTRAST – This feature allows the TV to automatically adjust the contrast of the TV depending on the picture you are viewing.
ii. FILM MODE – This feature is **24p** that syncs with DVD movies, and should be enabled when viewing DVD video to allow smoother frame rate.
iii. NOISE REDUCTION – This feature reduces general pixilation by blurring them.
iv. MPEG NOISE REDUCTION – This feature reduces DVD video pixilation by blurring them.

SOUND

This option allows users to adjust the TV's sound functions.



1. Press MENU to open the OSD.
2. Press ◄ or ► to select SOUND and press **ENTER**.
3. Use ▲ or ▼ to select the one you want to adjust and ◄ or ► or **ENTER** to adjust them.
    I. SOUND SETTINGS



i. SOUND MODE – This feature switches between preset settings (presets include standard, soft, user, and dynamic).
ii. BASS – This feature adjusts the audio bass level of the TV.

iii. TREBLE – This feature adjusts the audio treble level of the TV.

iv. BALANCE – This feature adjusts the balance between the two speakers moving sound from left to right.

II. SURROUND MODE – This feature enables the TV two speakers to provide a wider sound effect.

III. ANALOG SOUND – This feature adjusts the second audio programming in analog channels.

IV. DIGITAL SOUND – This feature adjusts the digital second audio programming in digital channels.

V. OTHER SETTINGS

i. AVL – This feature adjusts the auto volume leveler enabling volume protection from overly loud commercials.

ii. SPEAKER – This feature turns the speakers on or off.

iii. DIGITAL AUDIO OUTPUT – This feature adjusts the digital audio output.

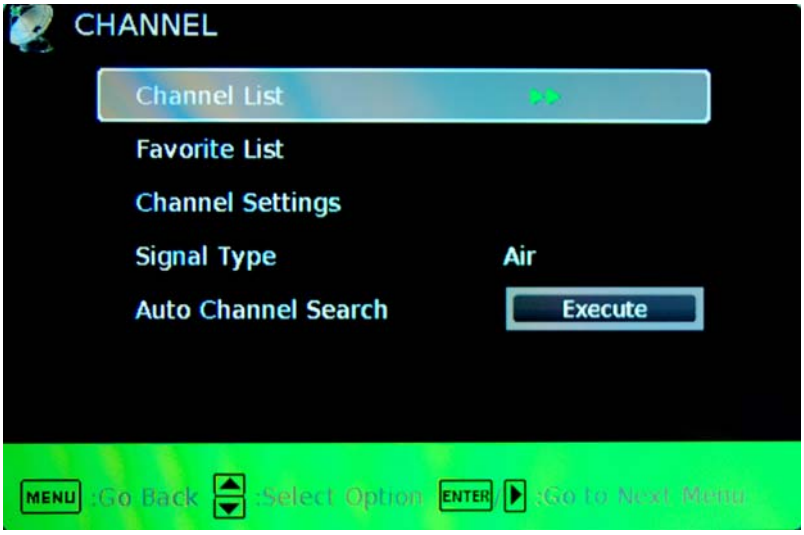
VI. EQUALIZER SETTINGS – This feature enables the internal equalizer of the speakers. You can adjust the settings individually or use the presets (user, off, rock, pop jazz).

Please Note:

- Second audio programming is dependent on the support of the TV station you are watching. If they do not have a second audio programming (SAP), this function will not work.

CHANNEL

This option allows user to adjust the TV's tuner functions.



1. Press MENU to open the OSD.
2. Press ◄ or ► to select CHANNEL and press **ENTER**.
3. Use ▲ or ▼ to select the one you want to adjust and ◄ or ► or **ENTER** to adjust them.
   - I. CHANNEL LIST – This feature gives you the list of channels currently found by the TV.
   - II. FAVORITE LIST – This feature gives the favorite list of channels added.
   - III. CHANNEL SETTING

     - i. CHANNEL NUMBER – This feature shows the channel number.
     - ii. IN CHANNEL LIST – This feature tells you if you have chosen for channel to be skipped.
     - iii. CHANNEL LABEL – This feature changes the name of the channel.
     - iv. FAVORITE CHANNEL – This feature tells you if you have the current channel in your favorite list. Press **ENTER** to add or remove the current channel into the favorite list.
   - IV. SIGNAL TYPE – This feature allows you to switch between air (such as using antenna) and cable.
   - V. AUTO CHANNEL SEARCH – This feature searches channels automatically for you

PARENTAL

This option allows users to filter TV programs and movies while using the TV tuner. To use this option you will need to enter in the password first.

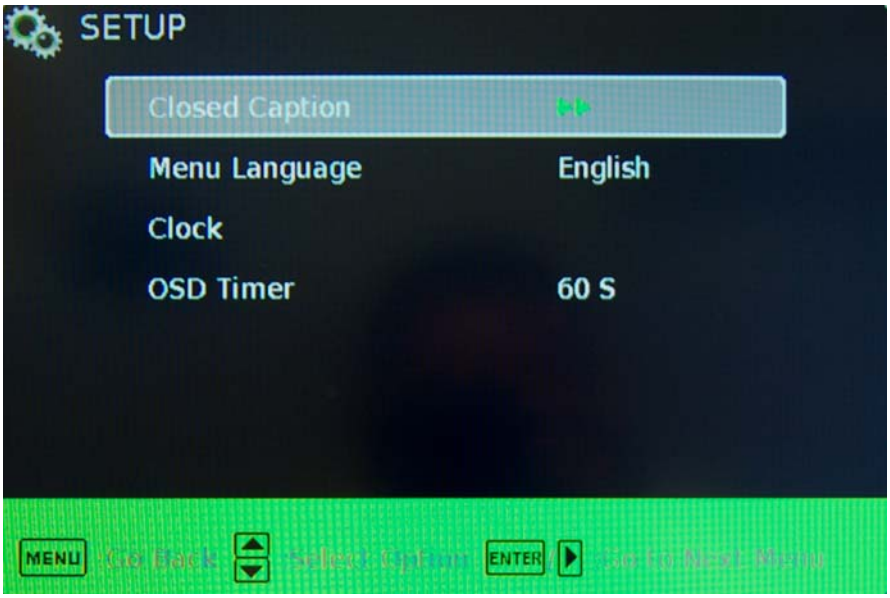
1. Press MENU to open the OSD.
2. Press ◄ or ► to select PARENTAL CONTROL and press **ENTER**.
3. Use ▲ or ▼ to select the one you want to adjust and ◄ or ► or **ENTER** to adjust them.
    - I. LOCK PARENTAL CONTROL – This feature allows you to input a password in order to access the other features. (**The default password is "0000"**)
    - II. V-CHIP – This feature blocks shows under the TV tuner.
        - i. US V-CHIP
            - a) MOVIE RATING – This feature blocks movies.
            - b) TV RATING – This blocks shows based on TV ratings.
        - ii. CANADA V-CHIP
            - a) ENGLISH RATING – This blocks English TV shows in Canada.
            - b) FRENCH RATING – This blocks French TV shows in Canada.
        - iii. BLOCK UNRATED SHOW – This blocks TV shows with no ratings supplied.
        - iv. DOWNLOADABLE RATING – This is a feature under the new V-chip where ratings can be downloaded from the channel.
        - v. CLEAR DOWNLOADABLE DATA – This feature clears the downloaded ratings data.
    - III. CHANGE PASSWORD – This feature changes the password of the parental control function.
    - IV. FRONT PANEL LOCK – This feature locks the buttons on the TV from functioning, except for the POWER button.
    - V. SOURCE LOCK – This feature locks different sources from working.

Please Note:

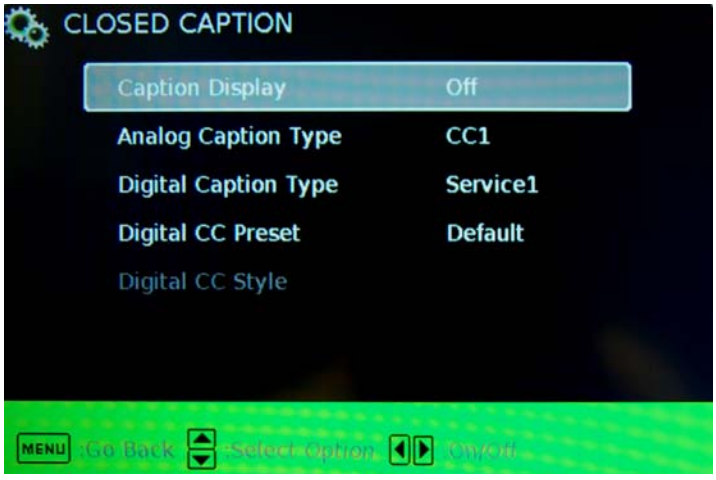
- Please refer to RATINGS EXPLAINED for more information on ratings definitions.
- **Downloadable rating** and **clear downloadable data** might be grayed out depending on the TV stations support.

SETUP

This option allows user to adjust the TV's miscellaneous options.



1. Press MENU to open the OSD.
2. Press ◄ or ► to select SETUP and press **ENTER**.
3. Use ▲ or ▼ to select the one you want to adjust and ◄ or ► or **ENTER** to adjust them.
    I. CLOSED CAPTION – This provides your TV tuner, AV ports with subtitles.
        i. CAPTION DISPLAY – This turns on or off the closed captioning.
        ii. ANALOG CAPTION TYPE – This chooses the subchannel that supplies the closed captioning. For United States, usually the setting is CC1. TEXT1-4 displays advertisements of the channel.
        iii. DIGITAL CAPTION TYPE – This chooses the subchannel for digital channel closed captioning.
        iv. DIGITAL CC PRESET – This unlocks users ability to change caption styles.
        v. DIGITAL CC STYLE – This feature changes caption options of digital closed captioning.



a) CC SIZE – This changes the size of the text.
b) CC FONT – This changes the text font style.

c) CC OPACITY – This changes the transparency of the captioning.
d) CC COLOR – This changes the color of the text.
e) CC BACKGROUND OPACITY – This changes the transparency of background of the text.
f) CC BACKGROUND COLOR – This changes the color of the background.

II. MENU LANGUAGE – This function adjusts the language of the menu (English, French, Spanish).

III. CLOCK
   i. TIME ZONE – This adjusts the time zone for the TV's clock.
   ii. AUTO CLOCK – This feature sets the TV to the TV channel's clock. (**You must have antenna to use this feature.)**
   iii. SETUP TIME – This feature manually lets you adjust the time and date.
   iv. DAY OF THE WEEK – This feature tells you the day of the week.
   v. Daylight Savings Time – This feature toggles the daylight savings time options.
   vi. 24 Hour Mode – This feature tells time in a 24 hour fashion instead of showing AM and PM.

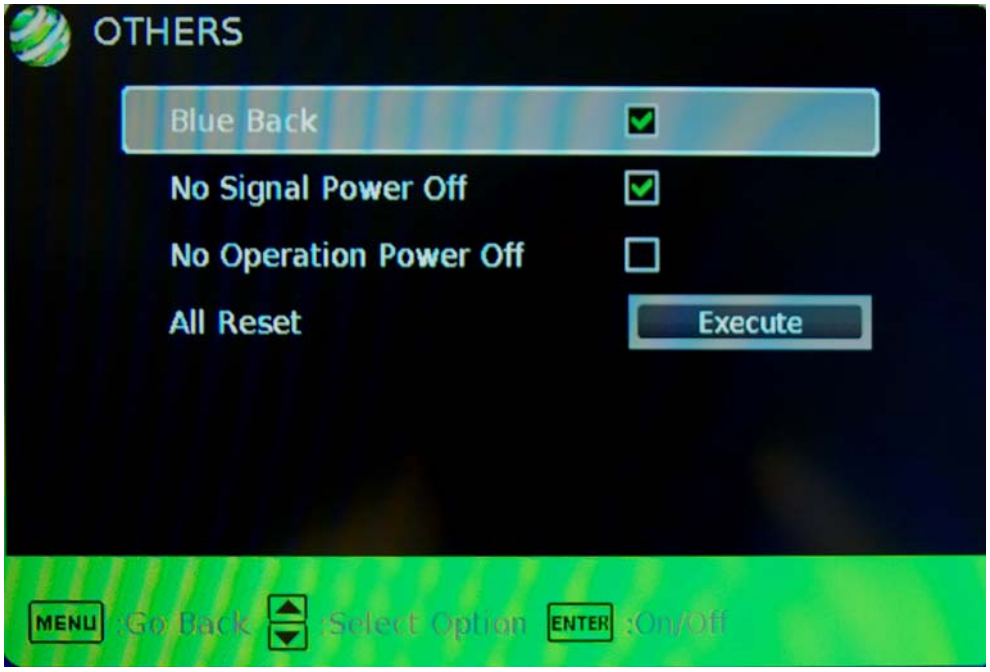
IV. OSD TIMER – This function adjusts the idle duration the MENU stays on the screen.

Please Note :

- Closed captioning is only available under AV, S-Video, and TV ports.
- Closed captioning depends on your TV program's support. Sometimes due to the TV channel or the signal, closed captioning will not be available.
- In United States, closed captioning under analog signals is CC1.
- In United States, closed captioning under digital signal is Service1.
- **TEXT1-TEXT4 offers you local information; however it might not be support by your local broadcasting station. When no information is offered, you will see a large black box in the middle of the screen.**

OTHERS

This option allows users to set other features of the TV.

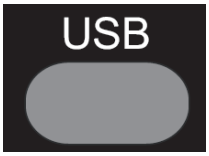


1. Press MENU to open the OSD.
2. Press ◄ or ► to select OTHERS and press **ENTER**.
3. Use ▲ or ▼ to select the one you want to adjust and ◄ or ► or **ENTER** to adjust them.
    I. BLUE BACK – This feature gives the TV a blue default background when there is no signal.
    II. NO SIGNAL POWER OFF – This feature turns the TV off if there is no signal given to the TV after a certain time.
    III. NO OPERATIONS POWER OFF – This feature turns the TV off if there are no commands given to the TV after a certain time.
    IV. ALL RESET – This reset all the options in the MENU back to it's default values.

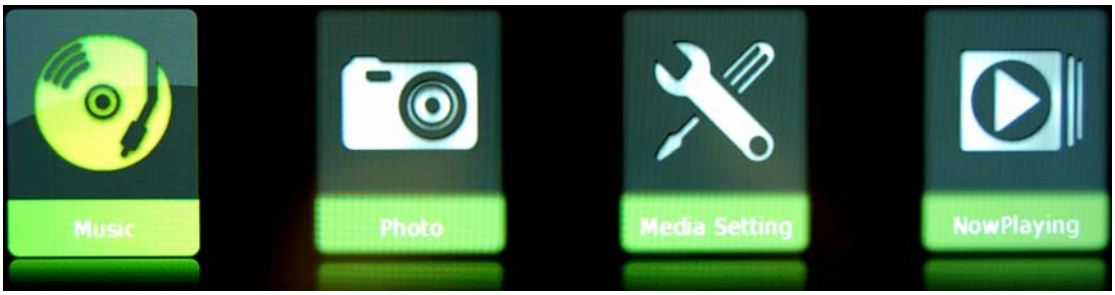
Detailed Explanations

USB Connection Explained

The TV is a widescreen TV with an USB port. With the USB port the TV can access USB flash drives (up to 2GB) and display pictures or play MP3 files. To use this feature connect a USB flash drive to the USB port of the TV and press the USB button to start browsing for music and pictures.

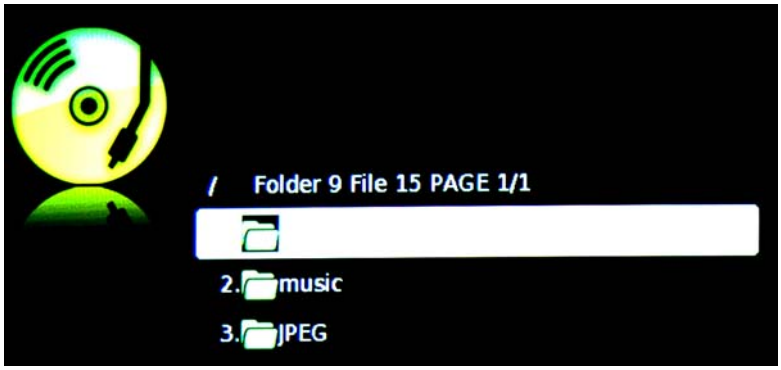


Once you press the USB button the USB menu will come up. Select either the music or picture you want to browse using the arrow buttons. Press the **ENTER** button to select the file you want.



Browsing Music and Photo

In the USB function, select Music or Photo.



Use the ▲ or ▼ button to select the file you want and use the **ENTER** to play the file. Use the EXIT button to exit a folder.

Media Setting

1. SLIDESHOW INTERVAL – This option adjusts the time interval of a displayed picture.
2. SLIDESHOW EFFECT – This option adjusts the video effects when pictures interchange.
3. SLIDESHOW REPEAT – This option toggles the repeat function for displaying pictures.
4. MUSIC PLAY MODE – This option adjusts the music playing option.
5. MUSIC PLAY REPEAT – This option toggles the repeat function for playing music.
6. MUSIC AUTO PLAY – This function toggles the auto play feature which will play any music found in the USB flash drive once you insert the flash drive.

Technical Limitation

1. The USB port does not support USB hubs.
2. The USB flash drive supports FAT32 and FAT16 file system only.
3. The biggest file size is 4 gigabyte (FAT32).
4. **The picture function only supports JPEG file (baseline only, progressive is not supported).**
5. **The music function only supports MP3 that is from 32-48k Hz using a data rate of 32-320 kbps.**
6. All USB functions are operated by the remote control. None of the buttons physically located on the TV will respond to USB functions.

Closed Captioning (digital and analog) Explained

Your TV is equipped with an internal Closed Caption decoder. It allows you to view conservations, narration and sound effects as subtitles on your TV. Closed Captions are available on most TV program, and on some VHS home video tapes, at the election of the program provider.

CC – Press this button to enable the CC function. You can then use the ▲▼ buttons to select if you want CC off or CC on. You can use the ◄► buttons to select between different CC channels.

Please Note:

- Digital Closed Caption service is a new caption service available on digital TV programs (also at the election of the service provider). It is a more flexible system than the original Closed Caption system, because it allows a variety of caption sizes and font styles.
- Not all programs and VHS video tapes offer closed caption. Please look for the CC symbol to ensure that captions will be shown.
- In the Closed Caption system, there can be more than one caption service provided. Each is identified by its own number. The CC1 and CC2 services display subtitles of TV programs superimposed over the program's picture.
- In the Closed Caption system, the TEXT1 or TEXT2 services display text that is unrelated to the program being viewed (e.g., weather or news). These services are also superimposed over the program currently being viewed.
- Closed Captioning for this TV only works under sources TV, and VIDEO.

Rating Explained

General Operation

To block channels you don't want your children to watch, you can filter them with the ratings function. MPAA lets you control ratings for movies. For regular TV programs you can use USTV settings. USTV settings lets you filter what content you want at each age level, TV-Y, to TV-MA (refer to definitions below). Below are definitions for each setting.

USTV Rating
TV-Y (USTV) – For All Children
This program is designed to be appropriate for all children. Whether animated or live-action, the themes and elements in this program are specifically designed for a very young audience, including children from ages 2-6. This program is not expected to frighten younger children.

TV-Y7 (USTV) – Directed to Older Children
This program is designed for children age 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between make-believe and reality. Themes and elements in this program may include mild fantasy violence or comedic violence, or may frighten children under the age of 7. Therefore, parents may want to consider the suitability of this program for their very young children. Note: For those programs where fantasy violence may be more intense or more combative than other programs in this category, such programs will be designated TV-Y7-FV.

TV-G (USTV) – General Audience
Most parents would find this program suitable for all ages. Although this rating does not signify a program designed specifically for children, most parents may let younger children watch this program unattended. It contains little or no violence, no strong language and little or no sexual dialogue or situations.

TV-PG (USTV) – Parental Guidance Suggested
This program contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children. The theme itself may call for parental guidance

and/or the program contains one or more of the following: moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).

TV-14 (USTV) – Parents Strongly Cautioned
This program contains some material that many parents would find unsuitable for children less than 14 years of age. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watches unattended. This program contains one or more of the following: intense violence (V), intense sexual situations (S), strong coarse language (L), or intensely suggestive dialogue (D).

TV-MA (USTV) – Mature Audience Only
This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17. This program contains one or more of the following: graphic violence (V), explicit sexual activity (S), or crude indecent language (L).

TV program description

FV - Fantasy Violence
V - Violence
S - Sexual Situations
L - Adult Language
D - Sexually Suggestive Dialog

MPAA Rating
G (MPAA)
General audiences. All ages admitted.

PG (MPAA)
Parental guidance suggested. Some material may not be suitable for children.

PG-13 (MPAA)
Parents strongly cautioned. Some material may be inappropriate for children under 13.

R (MPAA)
Restricted. Under 17 requires accompanying parent or adult guardian (age varies in some jurisdictions).

NC-17 (MPAA)
No one 17 and under admitted.

X (MPAA)
X is an older rating that is unified with NC-17 but may be encoded in the data of older movies.

Aspect Ratio Explained

The TV is a widescreen TV, but most TV programs are still broadcasting in a square format, therefore the TV is offering multiple ways of viewing videos. There are mainly two types of signal format, Full (16:9 format), Normal (4:3 format), while others offer a novelty ways to view the TV. Simply use the ASPECT button on the TV's remote control to cycle between the multiple modes.

1. **NORMAL**
   Most analog TV channels have 4:3 signal formats. If the original 4:3 aspect ratio (1.33:1 source) is preserved, black bars are added to the left and right of the display image. This aspect keeps that aspect ratio and shows you the black bars on the side.

2. **WIDE**
   This mode will stretch the picture to a widescreen ratio. If you have a perfect 16:9 ratio picture you will not see any black bars. If you are watching a widescreen movie in 1.85:1 or 2.35:1 ratio, you will still get black bars on the top and bottom of the screen. If you use this mode on 4:3 pictures they will be stretched and distorted horizontally.

3. **CINEMA**
   This mode cuts off all 4 sides to try to make a widescreen movie fit better on the TV screen.

4. **ZOOM**
   When watching a 4:3 aspect ratio TV or movie, this mode zooms in to cut off most of the black bars on the side while preserving the 16:9 ratio. Because of the zoom, the top and bottom are cut off as well.

5. **DOT BY DOT**
   This mode is only available under PC. It will map dot by dot to the screen. Any resolution will be proportionate.

Shortcuts to Browsing Channels

Browsing through the entire channel list on the TV can be tedious. This TV features a favorite channel list, where you can add in channels that you always want to watch

TO ADD TO THE FAVORITE LIST

1. Go to any channel you would like to include in your favorites list.
2. Press the ADD/DEL button on the remote control. You will see a (FAV) on the INFO banner denoting that this channel is in the favorites list.

TO DELETE FROM THE FAVORITE LIST

1. Go to any channel you would like to remove from your favorites list.
2. Press the ADD/DEL button on the remote control. You will then see the (FAV) disappear on the INFO banner denoting that this channel is no longer in the favorites list.

BROWSING CHANNELS WITH THE FAVORITE LIST

1. Press the FAVORITE button, and the list of channels you have added will be in a window.
2. Use the ▲ or ▼ buttons to select the channel you want to jump to and press **ENTER** to confirm.
3. You can also use the FAV+/- keys to switch up and down the favorites list automatically.

DVD OPERATION

Introduction

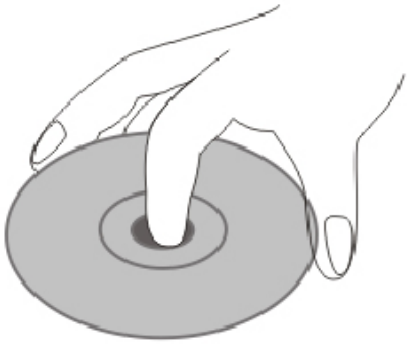
About the ⌀ Symbol Display

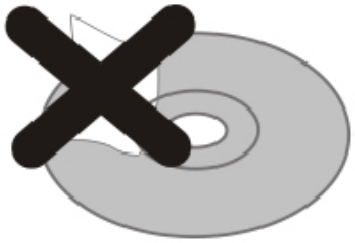
"⌀" may appear on your HDTV display during operation, which indicates that the function in this operating instruction is not available for that specific media format.

Notes On Discs

Handling Discs

Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints d not get on the surface. Never stick paper or tape on the disc.



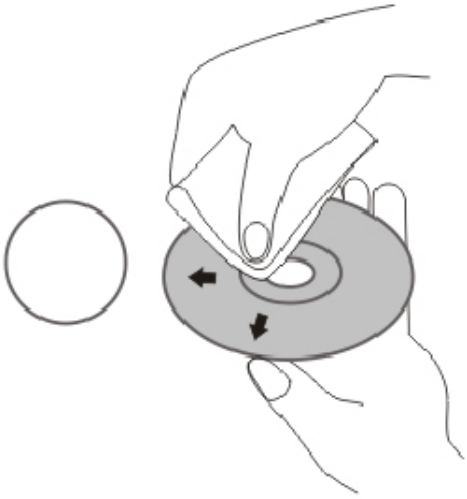


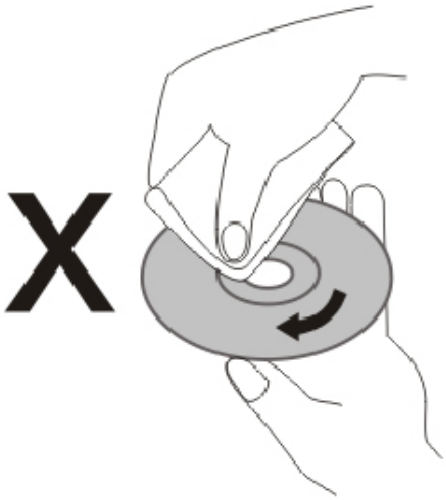
Storing Discs

After playing, store the disc in its case. Do not expose the idsc to direct sunlight or sources of heat and never leave it in a parked car exposed to direct sunlight.

Cleaning Discs

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center out. Do not use strong solvents such as alcohol, benzene, thinner, commercially available cleaners, or anti-static spray intended for old vinyl records.





Supporting DVD Format

This product can play the following DVD formats disc.

DVD/DVD+/-R DVD+/-RW

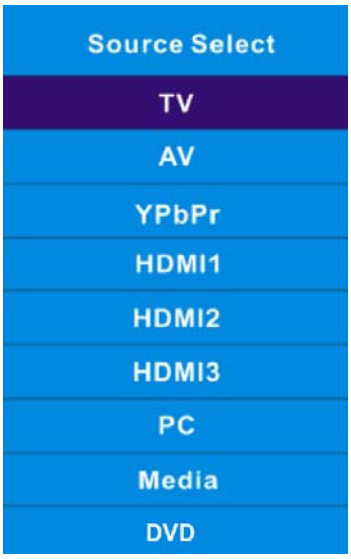
CD/CD+/-R/CD+/-RW

VCD/CDG

Important DVD Operation Guidelines

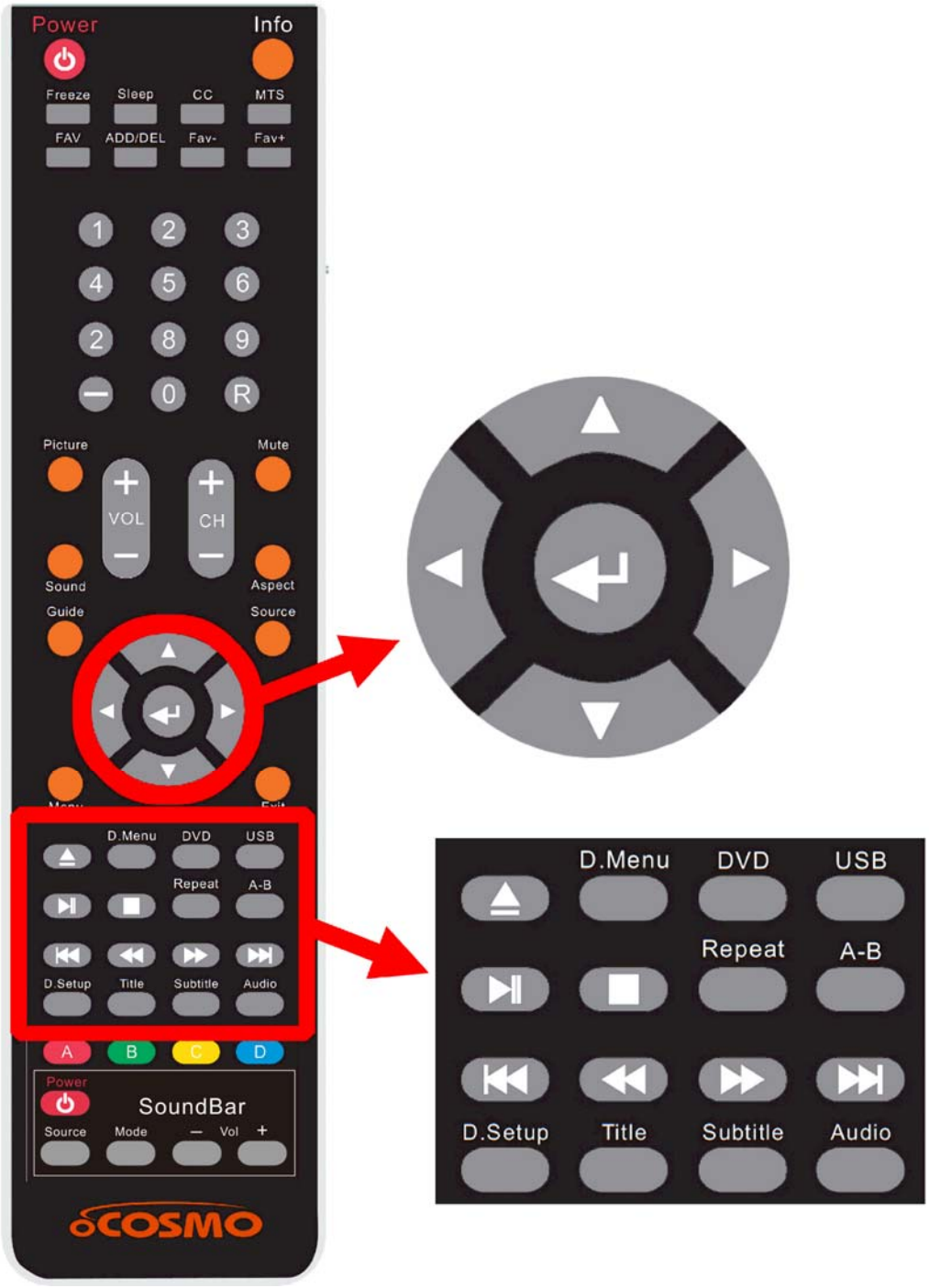
1. The DVD drive only functions while the TV is under the source DVD. In order to put the DVD disc in, or eject the DVD disc, you must be under the DVD source. Otherwise the DVD drive will not work.

    - To be under the source DVD either press the DVD button or press the SOURCE button then select DVD.



2. **With the TV turned on and the DVD button pressed from the TV remote, you can now insert the DVD disc you want to play. When you are facing the front of the TV, insert the DVD disc with the side that is labeled with the movie title facing away from you.**

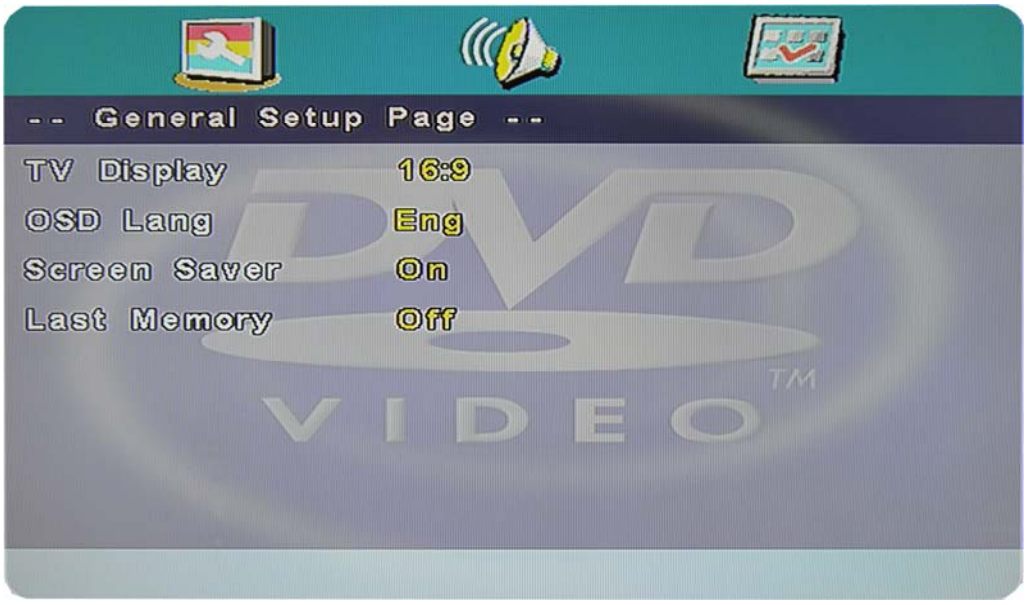
3. The DVD control buttons are show in the picture below.



1. General Setup Page

a. Press the D.SETUP button and then press the ◄/► to display the GENERAL SETUP PAGE when you are in DVD mode and press ENTER.
b. Press the ▲/▼ button to select options in the menu.
c. Press the ENTER button to enter menus or options and use the ▲/▼ button to select sub-options.
d. Press the ENTER button to confirm.
e. Press the D.SETUP to exit the DVD setup menu.

f. OPTIONS DEFINITION
   1) TV DISPLAY – This option should be set to 16:9 only. **Since the DVD is permanently attached to the TV, the settings here are advised not to be changed since they are setup already for the TV.**
   2) OSD LANG – This option lets you select the DVD menu language.
   3) SCREEN SAVER – This option lets you turn on or off the screen saver when the DVD mode is idling.
   4) LAST MEMORY – This option lets you turn on or off the last memory feature which lets you resume your movie at the same location where you last left off.



2. Audio Setup Page

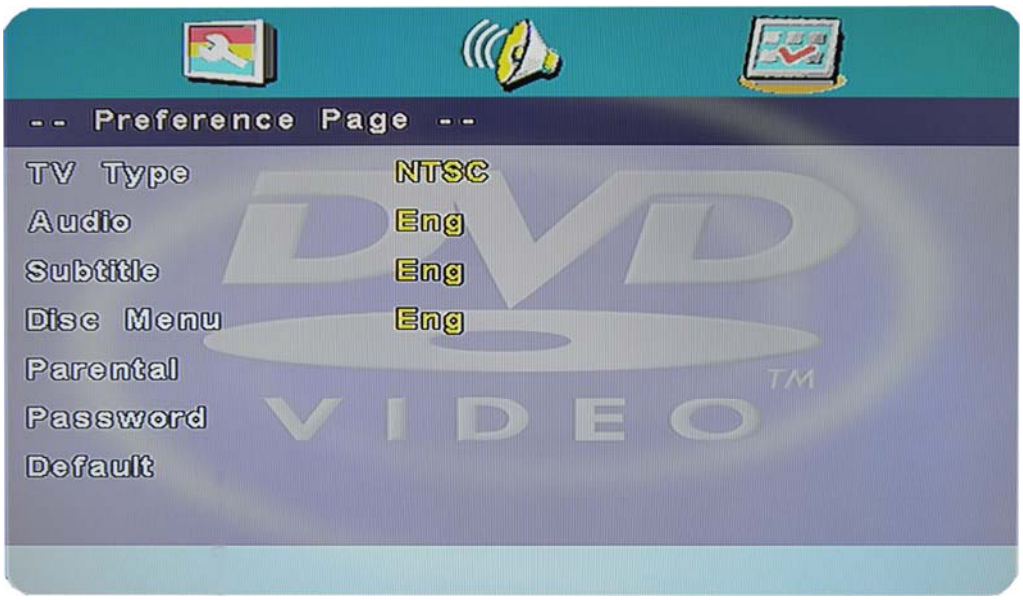
a. Press the D.SETUP button and then press the ◄/► to display the AUDIO SETUP PAGE when you are in DVD mode and press ENTER.
b. Press the ▲/▼ button to select options in the menu.
c. Press the ENTER button to enter menus or options and use the ▲/▼ button to select sub-options.
d. Press the ENTER button to confirm.
e. Press the D.SETUP to exit the DVD setup menu.

f. OPTIONS DEFINITION – **since the DVD is permanently attached to the TV, the settings here are advised not to be changed since they are setup already for the TV.**
   1) SPEAKER SETUP – This option lets you setup the type of speaker you are using with the DVD.
   2) DUAL MONO – This option lets you select the output sound of the DVD player. You can use stereo, left channel mono, right channel mono, and mono down mix together. This is usually used when you are playing a foreign language VCD where left channel sound is English dubbing and right channel is original foreign language audio or vice versa. In this particular case if you were to pick English dubbing you would pick left channel mono or original foreign language you would pick right channel mono.
   3) DYNAMIC – This option lets you change the level of volume range the DVD audio plays at.

3. Preferences Page

a. Press the D.SETUP button and then press the ◄/► to display the PREFERENCES PAGE when you are in DVD mode and press ENTER.
b. Press the ▲/▼ button to select options in the menu.
c. Press the ENTER button to enter menus or options and use the ▲/▼ button to select sub-options.
d. Press the ENTER button to confirm.
e. Press the D.SETUP to exit the DVD setup menu.

f. OPTIONS DEFINITION
   1) TV TYPE – This option should be set to 16:9 only.
   2) AUDIO – This option lets you select the preferred audio language of the DVD.
   3) SUBTITLE – This option lets you select the preferred subtitle language of the DVD.
   4) DISC MENU – This option lets you select the preferred DVD DISC's own menu language.
   5) PARENTAL – This option turns on the ratings filter for movies.
   6) PASSWORD – This option sets a password in order to access the DVD drive.
   7) DEFAULT – This option resets the DVD player's menu settings back to default.



Please Note:

- **This DVD player only takes standard size DVD discs. Mini DVDs, odd shaped DVDs are not compatible.**
- **DVD AUDIO, SUBTITLE, DISC MENU preferences in languages are based off of the DVD disc itself. If the disc itself does not support such language, the preferred languages will not appear and the default English language will be displayed.**

How do I clean the TV ?

IMPORTANT

1. The power cable has to be removed from the socket before cleaning the TV.
2. Do not use volatile solvent (alcohol, rosin, and toluene) to clean the TV. These types of chemicals might damage the housing and the LCD glass.

Cleaning the bezel and remote control

1. Use a 100% cotton cloth or micro-fiber cloth for cleaning.
2. If the remote control or bezel is dirty to the point where you cannot simply dry wipe it, please lightly dampen the wiping material (**the wiping material cannot be dripping wet, because if water drips into the panel it will cause malfunction and possible permanent damage to the panel which will not be covered under the warranty)** with clean water and wipe again. Wipe the display with a dry micro-fiber cloth or 100% cotton cloth afterwards.

Please Note :

- Make sure you wring the water out of the cloth before cleaning the bezel or remote in order to prevent water from penetrating into the electronics.

Cleaning the Screen

1. Use a 100% cotton cloth or micro-fiber cloth for cleaning.
2. The LCD screen glass is extremely fragile. Do not scrape it with any material. Do not press or tap the screen to avoid cracking. When the screen is dirty to the point where you cannot simply dry wipe it, please lightly dampen the wiping material with clean water and wipe again. Wipe the display with a dry micro-fiber cloth or 100% cotton cloth afterwards.

Troubleshooting

The following table contains the common problems and the solutions to these problems. Please check this list before you contact the technicians.

Problems	Solutions
NO PICTURE	Connect power cord correctly.
	Turn on power.
	Connect video cable correctly.
	Select the input signal source with proper cable connection with the source button.
ABNORMAL COLORS	Match the colors on the cables to the ports off the back of the television. I.E. red cable to red colored port.
PICTURE IS TOO DARK	Adjust your contrast, brightness and lamp settings from the OSD Menu. For adjust controls, refer to page 27.
AUDIO ONLY NO PICTURE	Make sure you have connected both your video and audio cables.
	The TV's tuner signal must not be lower than 65 %.
PICTURE ONLY NO AUDIO	Make sure the audio cable is connected.
	Readjust your volume via the remote control.
	The TV's tuner signal must not be lower than 65 %.
REMOTE CONTROL DOES NOT WORK	Turn off the TV, unplug it from the socket. Remove the batteries out of the remote for 30 minutes. Press the remote buttons and the power button randomly for a good 2 seconds, and then reinstall the batteries. Try the remote to see if it works. For battery removal instructions, refer to page 13.
	The TV's remote sensor is also housed in the same place as the power indicator light. Please make sure there is line of sight from the remote control's front sensor to the remote sensor of the TV.
CANNOT RECEIVE SUFFICIENT CHANNELS THROUGH THE ATSC/NTSC TUNER	The TV's tuner signal must not be lower than 65 %. Change the direction of your antenna and rescan your channels. If you have cable call up your cable company and ask about signal strength of your local cable.
NO COLOR	Please adjust your picture setup and make sure the saturation and the RGB are not turned all the way down. For adjustment controls refer to page 27.

Problems	Solutions
	The TV's tuner signal must not be lower than 65 %. Check your signal.
WEAK SIGNAL OR NO PROGRAM SYMBOL ON SCREEN	The TV's tuner signal must not be lower than 65 %. Change the direction of your antenna and rescan your channels. If you have cable call up your cable company and ask about signal strength of your local cable.
TV'S UNIVERSAL REMOTE CODE	**This television follows SONY's universal remote code. To find the actual code you must read through your own universal remote's guide book.**
TV CHANNELS ARE BLOCKED	Check your auto lock function's settings inside the OSD. You may have locked up some channels but forgot about them. Refer to page 34 for more instructions.
UNIVERSAL REMOTE CODE	This TV follows SONY's universal remote code. Please check your hand book for SONY's codes then apply them.
THE TV TURNS ON OR OFF SLOWLY AND THE SCREEN SHOWS UP SLOWLY	This TV is a High Definition liquid crystal display panel TV. It requires a few more seconds than normal TVs to power up and show the picture.
NO SOUND ON PC	Make sure you have a 3.5 mm mini-jack cable connected from your pc's sound output to the TV's VGA STEREO INPUT.
HDCP VIDEO SAYS NO HDCP SUPPORT	Reboot your HDCP video device but turning them off and unplugging the power cord. Wait up to 8 minutes to plug the power back in to see if it works or not.
HDCP VIDEO HAS NO AUDIO	Make sure you have a 3.5 mm mini-jack cable connected from your HDCP video device's sound output to the TV's VGA STEREO INPUT. If your HDCP video device uses RCA AUDIO jacks, you'll need to obtain a RCA audio converted into 3.5 mm mini-jack cable.
CANNOT GET 1360X768 ON PC VGA	Make sure the TV is recognized as plug and play monitor. Try updating your video card's drivers as well. If that does not help, most likely you'll need to upgrade your video card to a newer one.
PICTURE IS DISTORTED OR HAS ABNORMAL SOUND	This might be from interference from large electrical appliances, cars, motorcycles, or fluorescent lights. If the TV is close to the wall, try moving the TV to another room in your house to see if the problem still occurs.
PICTURE DOES NOT COVER THE ENTIRE SCREEN	If you're using HDMI or a TV digital channel make sure you use the ASPECT button to switch to 16:9 format. If you are using VGA, use the AUTO ADJUST function to adjust to the screen. Please Note : If you are using regular analog TV, AV, or component in 480i resolution, use the ASPECT button to switch to 16:9 in order to fill up the screen. Please Note : This note this feature will distort the picture.

Problems	Solutions
PICTURE QUALITY IS HORRIBLE!!	For best image quality, view HD widescreen programs where possible. If HD content is not available view “Standard Definition” from a digital source. Standard, analog TV will always be noticeable inferior to HD because your TV has video that is many times better than old TV’s and so you can see interference and deficiencies you did not KNOW you had.
PICTURE HAS PIXELS THAT ARE ALWAYS DISPLAYING THE SAME COLOR	Your TV is manufactured using an extremely high level of precision technology, however, sometimes some pixels of your TV may not display. Pixels defects within industry specifications are inherent to this type of product and do not constitute a defective product.
I CANNOT CHANGE THE TIME MANUALLY	Your TV syncs time automatically according to your local TV channel. This function only works while the TV’s tuner is connected to an ANTENNA.
BIG BLACK BOX IN THE MIDDLE OF SCREEN	You have turned on closed captioning and are using TEXT1 – TEXT4. Change the setting to CC1 or turn off closed captioning and the box will disappear. Refer to page 40 for more information.
SWITCHING A CHANNEL OR SOURCE CHANGES THE VOLUME	Different channels and inputs will sometimes have this effect because the channel signal’s own volume is already loud. There is no way remove this completely. The TV has an AUTO VOLUME LEVEL function that can combat this type of effect. Please make sure that function is turned on.
THERE IS NOISE OR TRASH PIXELS ON THE SCREEN	When your TV’s resolution is higher than the digital channel’s broadcast resolution, the signal is up-converted to match your TV’s resolution. Up-converting can cause this type of effect.
TIPS FOR HIGH DEFINITION USERS	The TV is an ideal platform for viewing High Definition Content. The best image quality can be achieved by HDMI, YPbPr (Component), then VGA. However, due to variances in broadcast practices, it is possible some image distortions can occur.
TIPS FOR LETTERBOX CONTENT USERS	Letterboxed (Widescreen) versions of DVD movies are most commonly formatted for standard 4:3 TVs. The TV has the capability of expanding this content so the entire screen is filled at the expense of the image proportion. To use this function press the aspect button on the remote control and cycle among the available options.
I CANNOT FIND THE VOLUME AND CHANNEL CHANGING BUTTONS	The buttons are represented by the ▲▼◄► buttons located on the remote control. ▲▼ changes the channels and ◄► changes the volume.
TV TURNS OFF AUTOMATICALLY AFTER 10 MINUTES	The TV features a power saving function which will automatically turn off the TV, if there’s no signal provided for more than 10 minutes.

Have questions? We are here for you!

Please don't return this unit back to the store!! If you have any questions regarding installation, using the product, or any other related issues please contact our support specialists. They can often resolve the problem over the phone, online web chat or email. We can also do warranty repair services or repairs during, or after the warranty period. Please contact our support department for more information.

Please have your oCOSMO p/n number, serial number, and date of purchase available before you call, chat or email. PLEASE DO NOT RETURN YOUR UNIT TO oCOSMO WITHOUT PRIOR AUTHORIZATION.

Tech Support E-mail: ocosmoTS@oCOSMO.com
Customer Service Email: ocosmoCS@oCOSMO.com
TEL: (855) 6oCOSMO / (855) 662-6766
FAX: 626-322-2670
Website : **www.oCOSMO.com**
Operation Hours: Mon - Fri at 8:30 AM – 5:30 PM (PST)

Specification

Display panel	
Item	**Illustration**
Active Area / Screen Size	Diagonal 31.5 inches
Aspect Ratio	Widescreen 16:9
Pixel Pitch	0.5108 (H) x RGB x 0.5108 (V) um per one triad
Max. of Pixels (Resolution)	HD (1366 x 768 pixels) resolution
Brightness	250 cd/m²
Contrast	9000:1 (Typical) with Auto Contrast Enhancement
Response Time	7 ms (gray to gray)
Viewing Angle	Typical 176/176 Degree (Horizontal/Vertical)
Lamp Life of Backlight	> 50,000hrs
TV DISPLAY	
Dimension	29.6” x 3.0” x 17.9” (without stand) 29.6” x 8.3” x 17.9” (with stand) 35.4” × 5.7” × 21.9” (with box)
Weight	15.76 lb (with stand) 14.33 lb (without stand) 20.9 lb (with box)
Power input	100 – 240VAC, 60/50 Hz
Function	
(1)Video	
De-interlace	3D
Frame recover	3:2
Noise reducing core technology	3D
Aspect ratio	Full, Normal, Cinema, Zoom
Gamma	Fixed Gamma
Lamp adjust	Yes
Picture mode	Vivid / Standard / Mild / Custom
Video adjust	Brightness / Contrast / Color / Tint / Sharpness
(2)Audio	

Sound Mode	Dynamic / Standard / Soft / User
Auto Volume Control	Yes
Tone	Bass / Treble / Balance
SPDIF Out	Yes (coax)
Speakers	10 watt per channel
(3) General	
Hybrid TV Tuner	NTSC / ATSC / QAM (Digital Cable Ready)
Channel auto scan	Yes
Sleep timer	Off / 10mins / 20mins / 30mins / 40mins / 50mins / 60mins / 90mins / 120mins
Standby power	Under 1W
Timing support-Video	480i / 480p / 720p / 1080i / 1080p
PC timing	1360*768@60 Hz (NATIVE) 1024*768@60, 70, 75Hz 800*600@60, 75Hz 640*480@60, 75Hz
Multimedia Format	Audio: MP3 (32-48Khz) Picture: JPEG (Baseline) up to 5000x5000 USB file system: FAT32/FAT16
(4)NTSC/ATSC	
NTSC	Sound: Mono / Stereo / SAP
	Favorite Channel
	V-chip
	Closed caption (CC1-CC4, Text 1-Text 4)
ATSC	Favorite Channel
	V-chip
	Video input format: 1080i, 720p, 480p, 480i
	Analog closed caption: (CC1-CC4, Text 1-Text 4) Digital closed caption: (Service 1-Service 6)
(5)I/O	
	1 input x TV Tuner (NTSC/ATSC), 1 input x AV, (Audio shared with AV&YPBPR) 1 input x YPbPr, 3 inputs x HDMI/HDCP (optional, HDCP audio shared with VGA Audio In), 1 input x VGA, 1 input x VGA Audio In, 1 input x USB 1 output x SPDIF (digital audio) out, 1 output x Audio Left/Right out 1 output x Headphone out,

*The product's specifications may change without notice or obligation.
**This manual's pictures and words are for references only and are subject to change without notice or obligation. oCOSMO is not liable for the misuse or misinterpretation of this manual.

LIMITED PRODUCT WARRANTY

Please read this warranty card carefully, it is a “ONE-YEAR LIMITED WARRANTY” on parts and labor (90 days for commercial use) and is only valid when purchased from an Authorized Reseller, only on new and non-refurbished product, and available to customers in the Continental US, Alaska, Hawaii and Puerto Rico. See below for the oCOSMO Extended Service warranty.

oCOSMO’s Responsibility
oCOSMO units purchased from an authorized oCOSMO U.S. Reseller in the United States and that are used in the fifty (50) United States or Puerto Rico and Canada are warranted to be free from manufacturing defects in materials and workmanship for a period of one (1) year from the date of their original retail purchase (or a period of ninety (90) days for commercial use). If the unit fails to conform to this warranty, we will service the units using new or refurbished parts. In the event that the part required for replacement is no longer in production and/or is obsolete, oCOSMO will repair or replace the unit with similar or like parts of equal value. If a similar or like part is not available, a charge may be incurred to the owner, for any upgraded parts substituted.

Service Labor
During a period of one (1) year from the effective warranty date (or a period of ninety (90) days for commercial use), oCOSMO will provide, when needed, service labor to repair a manufacturing defect at its designated Service Center. To obtain warranty service in the United States, you must first call our Customer Support at (800) 788-2878. The determination of service will be made by oCOSMO Customer Support. PLEASE DO NOT RETURN YOUR UNIT TO oCOSMO WITHOUT PRIOR AUTHORIZATION.

Parts
New or remanufactured parts will be used for repairs by oCOSMO at its designated Service Center for one (1) year (or ninety (90) days for commercial use) from the effective warranty date. Such replacement parts are warranted for the remaining portion of the original warranty period.

Service
During the one (1) year (or ninety (90) days for commercial use) warranty period, oCOSMO will, at its option and sole discretion, repair or replace defective parts, including replacement of the entire Panel. The Customer will be required to ship the unit to the Service Center indicated at the time Customer Support is contacted to make the necessary repairs, you are responsible for all transportation charges to the service facility. oCOSMO is not responsible for the de-installation or re-installation of the unit.

Packaging and Shipping Instruction
When you send the product to an authorized oCOSMO service facility you must use the original carton box and packing material or an equivalent as designated by oCOSMO. If you no longer have them please contact oCOSMO’s Customer Support.

Not Covered
This warranty does not cover the following: cosmetic defects; damage, malfunctions, or failures resulting from shipping or transit accidents, abuse, misuse, operation contrary to furnished instructions, operation on incorrect power supplies, operation with faulty associated equipment, modification, alteration, improper servicing, tampering and or, damage from fire, water, lightning, power surges, abnormal environmental conditions, or other acts of nature; normal wear and tear (oCOSMO reserves the right to determine “wear and tear” on any and all products); unsatisfactory visual or audio performance not caused by a manufacturing defect; or displays on which the serial number has been removed or defaced. Image Sticking caused by operating at excessive brightness levels for extended periods or mishandling are

not covered by this warranty. Installation, removal, transportation and reinstallation of a display and routine maintenance and cleaning, are not covered by this warranty. Any hardware, components, and/or software bundled with the display are not covered by this warranty. Any damages caused directly or indirectly by Buyer's or Reseller's "Value Added Feature" are not covered by this warranty or oCOSMO, Inc. Any damages of any kind including, but not limited to, direct or indirect damages, lost profits, lost savings, or other special incidental, exemplary or consequential damages whether for breach of contract, tort, or otherwise, or whether arising out of the use of or inability to use the product, even if oCOSMO, INC. or any dealer, distributor of authorized service provider/partner has been advised of the possibility of such damages, or any claim by any other warranty are not covered by this warranty or oCOSMO.
ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED IN DURATION TO THE PERIOD OF TIME SET FORTH ABOVE. OUR LIABILITY FOR ANY AND ALL LOSSES AND DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER, INCLUDING OUR NEGLIGENCE, ALLEGED DAMAGE OR DEFECTIVE GOODS, WHETHER SUCH DEFECTS ARE DISCOVERABLE OR LATENT, SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE DISPLAY. WE SHALL NOT BE RESPONSIBLE FOR LOSS OF USE, COMMERCIAL LOSS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This is the only warranty applicable; no one is authorized to extend or modify it or to grant any other warranty. oCOSMO retains the right to assess all warranty claims and to determine if damages are covered by the warranty. In case of a claim that is not covered by the warranty, you will be contacted to determine whether oCOSMO should repair the damage for a fee or whether the product should be returned to you as received by the repair center.

Dead Pixel Policy
oCOSMO sets limit on the LCD at 3 dead pixels in a cluster adjacent to each other, or 5 dead pixels in a combination of color and brightness. Any number of dead or bad pixels under the limit is considered to be within normal performance specification of the LCD and is not considered defective.

Owner's Responsibility
Effective Warranty Date
Warranty begins on the date of sale to the end user. To ensure warranty service, keep the dated bill or sale receipt as evidence of the purchase date. If you can no longer obtain your receipt, the warranty will revert to the unit's manufacture date according to the serial number of the unit. This limited warranty applies only to the original purchaser and is non-transferable.

Warranty Service
For warranty service information, contact oCOSMO Technical Support at email address ocosmoTS@oCOSMO.com, via phone at (855) 662-6766, or via World Wide Web chatting service at www.oCOSMO.com. oCOSMO Technical Support is available Monday to Friday 8:30 AM to 5:30 PM Pacific Time. Parts and service labor that are oCOSMO's responsibility (see above) will be provided without charge. Other services or services not covered by the warranty are at the owner's expense. You must provide the model, serial number and date of purchase. Before you ask for warranty service, read your User Manual. You might avoid a service call.
Warranty conditions are subject to change, for latest Warranty Terms and Conditions and additional information regarding your warranty, please see complete details online at www.oCOSMO.com.

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- Playstation® 3 is a registered trademark or trademark of Sony Computer Entertainment Inc. in the United States and other countries.
- Wii™ is a registered trademark or trademark of Nintendo of America, Inc. in the United States and other countries.
- This HDTV meets the ENERGY STAR® guidelines under all preset picture models.
  Changing this setting or enabling other options will increase power consumption which could possibly exceed the guidelines of ENERGY STAR®.
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FCC Compliance Statement

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference,
and (2) this device must accept any interference received,
including interference that may cause undesired operation.

Please Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Caution: To comply with the limits for an FCC Class B computing device, always use the signal cord and power cord supplied with this unit.

The Federal communications Commission warns that changes or modifications to the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

European Notice
Products with the CE marking comply with both the EMC Directive (89/336/EEC), (93/68/EEC) and the Low Voltage Directive (72/23/EEC) issued by the Commission of the European Community.